

167257

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From: Yu, Misook
Sent: Thursday, September 29, 2005 9:19 AM
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Subject: 09/670,568

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Examiner Misook Yu, Ph.D.
571-272-0839 (Phone)
Art Unit 1642
REM-3A18 (Room)
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RECEIVED
SEP 29 2005
STIC/BIOTECH DIVISION
(STIC)

Searcher: Gar
Searcher Phone: 22504
Date Searcher Picked up: 10/3/05
Date completed: 10/3/05
Searcher Prep Time: 6
Online Time: 10

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: ✓
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: ✓
WWW/Internet: _____
Other (Specify): _____

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RESULT 2
US-09-542-615A-333
; Sequence 333, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-333
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347

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-09-606-421B-333
 ; Sequence 333 Application US/09606421B
 ; Patent No. 6531315
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Hosken, Nancy
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.455C9
 ; CURRENT APPLICATION NUMBER: US/09/606,421B
 ; CURRENT FILING DATE: 2000-06-28
 ; NUMBER OF SEQ ID NOS: 358
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 333
 ; LENGTH: 2816
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-606-421B-333

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901 CCACCCCAAGTTGGCACTGAATTCAGACAGTCTTTGTACAAATTCATGTGTAAACAGCAGT 960 Qy
901 CCACCCCAAGTTGGCACTGAATTCAGACAGTCTTTGTACAAATTCATGTGTAAACAGCAGT 960 Db
961 TGTGTGGAGGATGAACCGCCGTCCAATTTTAATCAATTTTACTCTGGAACACAGAGAT 1020 Qy
961 TGTGTGGAGGATGAACCGCCGTCCAATTTTAATCAATTTTACTCTGGAACACAGAGAT 1020 Db
1021 GGGCAAGTCTGGGCCGAGCTGCTTTGAGGCCCGGATCTGCTGTTGCCAGGAAGAGAC 1080 Qy
1021 GGGCAAGTCTGGGCCGAGCTGCTTTGAGGCCCGGATCTGCTGTTGCCAGGAAGAGAC 1080 Db
1081 AGGAAGCGGATGAAGATAGCATCAGAAGCAGCAAGTTTCGACAGTACRAAAGAACGGT 1140 Qy
1081 AGGAAGCGGATGAAGATAGCATCAGAAGCAGCAAGTTTCGACAGTACRAAAGAACGGT 1140 Db
1141 GATGTAGACAGGCCGCTTTCGTGAGAACACACATGTTATCCAGATGACATCCATCAAG 1200 Qy
1141 GATGTAGACAGGCCGCTTTCGTGAGAACACACATGTTATCCAGATGACATCCATCAAG 1200 Db
1201 AAACCAAGATCCCAGATGATGAATTTTACTTTACCAAGTGGAGGCCGTGAGACTTAT 1260 Qy
1201 AAACCAAGATCCCAGATGATGAATTTTACTTTACCAAGTGGAGGCCGTGAGACTTAT 1260 Db
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1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAACTCATGCACTACCTCTCAGCACACA 1320 Db
1321 ATTGAAACGTACAGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380 Qy
1321 ATTGAAACGTACAGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380 Db

1381 CTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAAACTCCAAAAAATCT 1440 Qy
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1501 TCTATATTTAAGTGTGTGTGTTGTTATTTTCATGTGTATATGTGAGTGTGTGTGTGTA 1560 Db
1561 TGTGTGTCGTGTGTATCTAGCCCTCATATAACAGGACTTTGAAGACACATTTGGCTCAGAGA 1620 Qy
1561 TGTGTGTCGTGTGTATCTAGCCCTCATATAACAGGACTTTGAAGACACATTTGGCTCAGAGA 1620 Db
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1681 TTACAAGAAAGGATGTTTCTGCAGATTTTCTATCTTAGCCGCAATTTGCTGGGTGAG 1740 Db
1741 GAAACCACTGCTGTGTGTGTGAGCTTTCTGTTTCTTGGAGGAGGGGTGAGTGGG 1800 Qy
1741 GAAACCACTGCTGTGTGTGTGAGCTTTCTGTTTCTTGGAGGAGGGGTGAGTGGG 1800 Db
1801 GAAAGGGGCAATAAGATGTTTATTTGGAACCCCTTTCTGCTCTCTGTTGTTTTCTAA 1860 Qy
1801 GAAAGGGGCAATAAGATGTTTATTTGGAACCCCTTTCTGCTCTCTGTTGTTTTCTAA 1860 Db
1861 AATTACAGGCAAGCTTTTGAGCAGGCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920 Qy
1861 AATTACAGGCAAGCTTTTGAGCAGGCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920 Db
1921 AAAAAAGTGTATTGCTGTGCATAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCAGA 1980 Qy
1921 AAAAAAGTGTATTGCTGTGCATAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCAGA 1980 Db
1981 CCTTTTAACTGCTGCTCATGTAAATTAATTTGCAAGTAGTAAGAACGAGGTGTCAAGTG 2040 Qy
1981 CCTTTTAACTGCTGCTCATGTAAATTAATTTGCAAGTAGTAAGAACGAGGTGTCAAGTG 2040 Db
2041 TACTGCTGGGAGGAGTATCATTAACCAAGTAATCAACTTTTGTGGTGGAGGTTTC 2100 Qy
2041 TACTGCTGGGAGGAGTATCATTAACCAAGTAATCAACTTTTGTGGTGGAGGTTTC 2100 Db
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2101 TTTGTGAGAACTTGCATTATTGTTGCTCCTCCCTCATGTGTAGGTAGAACATTTCTTAAT 2160 Db
2161 GCTGTGTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTA 2220 Qy
2161 GCTGTGTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGTA 2220 Db
2221 CATGAACCCCTGGAGGAGCTACTACAAAGAACTGTTGTTGGCCCCCATAGCAGTGAA 2280 Qy
2221 CATGAACCCCTGGAGGAGCTACTACAAAGAACTGTTGTTGGCCCCCATAGCAGTGAA 2280 Db
2281 CTCAATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTGCCCTTAGGTAGT 2340 Qy
2281 CTCAATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTGCCCTTAGGTAGT 2340 Db
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2401 AATTGCTTAAATAGAGCTTCTATCCCTCAAGCCCTACCTACCAAAAAACAGCCATATTA 2460 Db

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Qy 2461 CTGACTGTTCAGTGCATTTAGCAGGAGACTTACGTTTTGAGTAAGTGAATCCCAAGC 2520
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Db 2521 AGACGTGTTAAATCAGACACTCTCGGACTGGAAATTAAGATTGAAGGGTAGACTACTT 2580
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Db 2641 TTAAGATAATAGCATAAAGACTTTAAATAATGTTCTCCCTCCATCTTCCACACCCAGT 2700
Qy 2701 CACGAGCACTGATTTCTGTCACCAAGCAATGATTTCTTTGTTATTGAGGCTGTGCTT 2760
Db 2701 CACGAGCACTGATTTCTGTCACCAAGCAATGATTTCTTTGTTATTGAGGCTGTGCTT 2760
Qy 2761 TTGTGGATGTCGTGATTTTAAATTTCAATAAACTTTTGCATCTTGTTTTAAAGAAA 2816
Db 2761 TTGTGGATGTCGTGATTTTAAATTTCAATAAACTTTTGCATCTTGTTTTAAAGAAA 2816
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RESULT 4

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US-09-630-940B-333
; Sequence 333, Application US/09630940B
; Patent No. 6737514
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C10
; CURRENT APPLICATION NUMBER: US/09/630,940B
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-630-940B-333
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Query Match 100.0%; Score 2816; DB 4; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 TCGTTGATATCAAGACAGTGTGAAGAAATGAATTTTGAACCTTCAACGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
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Qy 181 CCAGAGGTTTCCAGCATATCTGGGATTTCTGGAACAGCCTTATATGTTCAAGTTCAAGCC 240
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Db 901 CCACCCAGGTTGGCACTGAAATTCACGACAGTCTTGTACAAATTTTCAATTTTCAACGAGT 960
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Qy 240 CATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGTGGTCGCAACCAAGATTGAGAT 299
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Db 541 CCCAGGCCGCACAGTTTTCGACGCTGCTTCCAGCGTTCGAGCACCGCCCAAGTCGGCCAC 600
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RESULT 7

US-09-643-597-332

; Sequence 332, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Panger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643.597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 332

; LENGTH: 2270

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-643-597-332

Query Match 48.9%; Score 1376; DB 3; Length 2270;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1376; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 TCGTTGATTAACAAGACAGTTGAAGCAATGAAATTTGAACTTCACGGTGTGCCACCT 60
 Db 1 TCGTTGATTAACAAGACAGTTGAAGCAATGAAATTTGAACTTCACGGTGTGCCACCT 60
 Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTTTGG 120
 Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTTTGG 120
 Qy 121 AAAGAAAGTTATACCGATCCACCATGTCCAGACACACAGACAATGAATTCCTCAGT 180
 Db 121 AAAGAAAGTTATACCGATCCACCATGTCCAGACACACAGACAATGAATTCCTCAGT 180
 Qy 181 CCAGAGGTTTCCAGCATATCGGATTTCTGGAACAGCCCTATATGTTTCAGTTCAGGCC 240
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 Qy 241 ATTGACTTGAATTTGTGGATGAACCATCAGAAAGTGTGGACAAACAAAGATTGAGATT 300
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 Qy 301 AGCATGGAATGTATCCGATGACAGCTCGGACCTGAGTGAGCCCATGTGGCCACAGTAC 360
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 Qy 361 ACGRACCTGGGCTCCTCAACAGCATGGACAGAGATTTCAGACGGCTCCTCGTCCACC 420
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RESULT 8

US-09-542-615A-332

; Sequence 332, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

Db 421 AGTCCCTATAACACAGACCAACGCGTCAGAAAGCGTCAAGCGCGCTCGCCCTTACGCACAG 480
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 Qy 781 GAATTCACGAGGACAGATTGCCCCCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
 Db 781 GAATTCACGAGGACAGATTGCCCCCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
 Qy 841 CATGCCAGTATGTAGAAGATCCCATCACAGGAGACAGAGTGTGCTGCTACCTTATCAG 900
 Db 841 CATGCCAGTATGTAGAAGATCCCATCACAGGAGACAGAGTGTGCTGCTACCTTATCAG 900
 Qy 901 CCACCCAGGTTGGCACTGAAATTCACGACAGTCTTGTAATTTTCAATTTTCAATTTTCA 960
 Db 901 CCACCCAGGTTGGCACTGAAATTCACGACAGTCTTGTAATTTTCAATTTTCAATTTTCA 960
 Qy 961 TGTGTTGAGGGATGAACCGCGCTCCAAATTTTAACTTCTTCTGGAACCGAGAT 1020
 Db 961 TGTGTTGAGGGATGAACCGCGCTCCAAATTTTAACTTCTTCTGGAACCGAGAT 1020
 Qy 1021 GGGCAAGTCTTGGCGGACGCTGCTTTGAGCCCGGATCTGCTTGGCCAGGGAAGAGAC 1080
 Db 1021 GGGCAAGTCTTGGCGGACGCTGCTTTGAGCCCGGATCTGCTTGGCCAGGGAAGAGAC 1080
 Qy 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGACAGTACAAAGAACGCT 1140
 Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGACAGTACAAAGAACGCT 1140
 Qy 1141 GATGTTAGGAAGCGCGCTTTCGTGAGAACACATCGTATCCAGATGACATCCATCAAG 1200
 Db 1141 GATGTTAGGAAGCGCGCTTTCGTGAGAACACATCGTATCCAGATGACATCCATCAAG 1200
 Qy 1201 AAAGCAAGATCCCGAGATGATGAATTTTACTTACCAGTGAGGGCGGTGAGACTTAT 1260
 Db 1201 AAAGCAAGATCCCGAGATGATGAATTTTACTTACCAGTGAGGGCGGTGAGACTTAT 1260
 Qy 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAACCTATGCAAGTACCTTCTCAGACACA 1320
 Db 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAACCTATGCAAGTACCTTCTCAGACACA 1320
 Qy 1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACA 1376
 Db 1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACA 1376


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QY 61 ACAGTACTGCGCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTTGG 120
DB 61 ACAGTACTGCGCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTTGG 120
QY 121 AAAGAAAGTTATTACCGATCCACCATGTCACAGAGCACACAGAAATGAATTCCTCAGT 180
DB 121 AAAGAAAGTTATTACCGATCCACCATGTCACAGAGCACACAGAAATGAATTCCTCAGT 180
QY 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGAAACAGCCTATATGTTAGTTTCAGCCC 240
DB 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGAAACAGCCTATATGTTAGTTTCAGCCC 240
QY 241 ATTGACTTGAATCTTTGTGGATGAACCATCAAGATGTTGCAAAACAGATTTGAGATT 300
DB 241 ATTGACTTGAATCTTTGTGGATGAACCATCAAGATGTTGCAAAACAGATTTGAGATT 300
QY 301 AGCATGACTGTATCCGATCAGGACTCGGACTGAGTGAACCCCATGTGCGCCACAGTAC 360
DB 301 AGCATGACTGTATCCGATCAGGACTCGGACTGAGTGAACCCCATGTGCGCCACAGTAC 360
QY 361 ACGAACCTGGGGCTCTGAACAGATGGAACAGAGATTGAAACGGCTCCTGCTCCACC 420
DB 361 ACGAACCTGGGGCTCTGAACAGATGGAACAGAGATTGAAACGGCTCCTGCTCCACC 420
QY 421 AGTCCCTATTACACAGACACCGCAGAAACAGCGTCAAGCGCCCTCGCCCTACGCACAG 480
DB 421 AGTCCCTATTACACAGACACCGCAGAAACAGCGTCAAGCGCCCTCGCCCTACGCACAG 480
QY 481 CCCAGCTCCACCTTCGATGCTCTCTCCATCAACCCGCCATCCCTCCAAACACGACTAC 540
DB 481 CCCAGCTCCACCTTCGATGCTCTCTCCATCAACCCGCCATCCCTCCAAACACGACTAC 540
QY 541 CCAGGCCGACAGTTTCGAGCTGCTCTTCAGCAGTTCGAGCAGCGCCCAAGTGGGCCACC 600
DB 541 CCAGGCCGACAGTTTCGAGCTGCTCTTCAGCAGTTCGAGCAGCGCCCAAGTGGGCCACC 600
QY 601 TGGACGTATTCCACTGAACTGAAGAACTCTACTGCCAAATTTGAAAGACATGCCCCATC 660
DB 601 TGGACGTATTCCACTGAACTGAAGAACTCTACTGCCAAATTTGAAAGACATGCCCCATC 660
QY 661 CAGATCAAGTGTATGACCCCACTCTCTCAGGAGCTGTATTCGCGGCATGCTGTCTAC 720
DB 661 CAGATCAAGTGTATGACCCCACTCTCTCAGGAGCTGTATTCGCGGCATGCTGTCTAC 720
QY 721 AAAAAGCTGACAGCTCAGGAGGTGTGAAGCGGTGAGCGGTGCCCAACCATGAGCTGAGCGT 780
DB 721 AAAAAGCTGACAGCTCAGGAGGTGTGAAGCGGTGAGCGGTGCCCAACCATGAGCTGAGCGT 780
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DB 781 GAATTCACAGGAGACAGATTGCCCTCCTAGTCAATTTGATTTCGAGTAGAGGGGAAACAGC 840
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DB 841 CATGCCAGTATGTAGAAGATCCCATCAAGGAAGACAGAGTGTGCTGGTACCTTATGAG 900
QY 901 CCACCCAGGTTGCACTGAATTCAGCAGCTCTTGTACAAATTTTCATGTGTACACAGCT 960
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DB 961 TGTGTTGAGGGATGAACCGCGTCCAAATTTAATCATTTGTTACTCTGGAAACAGAGAT 1020
QY 1021 GGGCAAGTCTTGGCCGACAGCTGCTTTGAGGCCCGGATCTGTGCTGCCAGGAGAGAC 1080
DB 1021 GGGCAAGTCTTGGCCGACAGCTGCTTTGAGGCCCGGATCTGTGCTGCCAGGAGAGAC 1080
QY 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGAGTACAAAGACGGT 1140
DB 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGAGTACAAAGACGGT 1140
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QY 1141 GATGGTACGAAGCGCCGTTTCGTAGAAACACACATGGTATCCAGATGACATCCATCAAG 1200
DB 1141 GATGGTACGAAGCGCCGTTTCGTAGAAACACACATGGTATCCAGATGACATCCATCAAG 1200
QY 1201 AAACGAAGATCCCGATGATGAATCTGTTTACTTACAGTGAAGGCGCGTGAGACTTAT 1260
DB 1201 AAACGAAGATCCCGATGATGAATCTGTTTACTTACAGTGAAGGCGCGTGAGACTTAT 1260
QY 1261 GAATGCTGTTGAAGATCAAGAGTCCCTGGAATCATGTCAGTACCTTCTTCAGCACACA 1320
DB 1261 GAATGCTGTTGAAGATCAAGAGTCCCTGGAATCATGTCAGTACCTTCTTCAGCACACA 1320
QY 1321 ATTGAACGTTACAGGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1376
DB 1321 ATTGAACGTTACAGGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1376

RESULT 10
US-09-630-940B-332
; Sequence 332, Application US/09630940B
; Patent No. 6737514
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C10
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 332
; LENGTH: 2270
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-630-940B-332

Query Match 48.9%; Score 1376; DB 4; Length 2270;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1376; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCCTTGATATCAAGACAGTTGAAGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60
DB 1 TCCTTGATATCAAGACAGTTGAAGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60
QY 61 ACAGTACTGCGCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
DB 61 ACAGTACTGCGCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
QY 121 AAAGAAAGTTATTACCGATCCACCATGTCAGAGAGCACACAGAAATGAATTCCTCAGT 180
DB 121 AAAGAAAGTTATTACCGATCCACCATGTCAGAGAGCACACAGAAATGAATTCCTCAGT 180
QY 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGAAACAGCCTATATGTTAGTTTCAGCCC 240
DB 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGAAACAGCCTATATGTTAGTTTCAGCCC 240
QY 241 ATTGACTTGAATCTTTGTGGATGAACCATCAAGATGTTGCAAAACAGATTTGAGATT 300
DB 241 ATTGACTTGAATCTTTGTGGATGAACCATCAAGATGTTGCAAAACAGATTTGAGATT 300
QY 301 AGCATGACTGTATCCGATCAGGACTCGGACTGAGTGAACCCCATGTGCGCCACAGTAC 360
DB 301 AGCATGACTGTATCCGATCAGGACTCGGACTGAGTGAACCCCATGTGCGCCACAGTAC 360
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QY 361 ACGAACCTGGGCTCCTGAACAGCATGGACACAGAGATTGAGAAAGCGCTCCTCGTCCACC 420
DB 361 ACGAACCTGGGCTCCTGAACAGCATGGACACAGAGATTGAGAAAGCGCTCCTCGTCCACC 420
QY 421 AGTCCCTATAACACAGACACACGGCGAGAAACAGCGTCAACGGCGCCCTCGCCCTACGACAG 480
DB 421 AGTCCCTATAACACAGACACACGGCGAGAAACAGCGTCAACGGCGCCCTCGCCCTACGACAG 480
QY 481 CCCAGTCCACCTTCGATGCTCTCTCCATCACCGCGCATCCCTCCAGACCGACTAC 540
DB 481 CCCAGTCCACCTTCGATGCTCTCTCCATCACCGCGCATCCCTCCAGACCGACTAC 540
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DB 541 CCAGGCCCGCACAGTTTCACAGTGTCTTCCAGCAGTCAGACACCGCCAAAGTCGGCCACC 600
QY 601 TGGACGTATTCCACTGAACCTGAAGAAACTCTACTGCCAAATTCGCAAGACATGCCCCATC 660
DB 601 TGGACGTATTCCACTGAACCTGAAGAAACTCTACTGCCAAATTCGCAAGACATGCCCCATC 660
QY 661 CAGATCAAGGTGATGACCCCACTCTCAGGGAGCTGTTATCGGCGCATGCTGTCTAC 720
DB 661 CAGATCAAGGTGATGACCCCACTCTCAGGGAGCTGTTATCGGCGCATGCTGTCTAC 720
QY 721 AAAAAAGCTGAGCACGTACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
DB 721 AAAAAAGCTGAGCACGTACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
QY 781 GAATTTCAACAGGGGACAGATTGCCCTCTCTAGTCAATTTGATTCGAGTAGAGGGGAACAGC 840
DB 781 GAATTTCAACAGGGGACAGATTGCCCTCTCTAGTCAATTTGATTCGAGTAGAGGGGAACAGC 840
QY 841 CATGCCAGTATGTAGAAGATCCCATCACAGGAGACAGAGTGTGCTGTACTTATGAG 900
DB 841 CATGCCAGTATGTAGAAGATCCCATCACAGGAGACAGAGTGTGCTGTACTTATGAG 900
QY 901 CCACCCAGGTGGCACTCAATTCACGACAGTCTCTGACAAATTTCAATGTTAACAGCAGT 960
DB 901 CCACCCAGGTGGCACTCAATTCACGACAGTCTCTGACAAATTTCAATGTTAACAGCAGT 960
QY 961 TGTGTTGAGGAGTGAACCGCGTCCAAATTTTAATCAATTTGTTACTCGGAAACCGAGAT 1020
DB 961 TGTGTTGAGGAGTGAACCGCGTCCAAATTTTAATCAATTTGTTACTCGGAAACCGAGAT 1020
QY 1021 GGGCAAGTCTGGGCGGACGCTGCTTTGAGGCGCGATCTGTGCTTGGCCAGGAGAGAC 1080
DB 1021 GGGCAAGTCTGGGCGGACGCTGCTTTGAGGCGCGATCTGTGCTTGGCCAGGAGAGAC 1080
QY 1081 AGGAGGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGTT 1140
DB 1081 AGGAGGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGTT 1140
QY 1141 GATGTTACGAAGCGCCGCTTTGTCAGAAACACACATGATGATCCAGATGATCCATCAAG 1200
DB 1141 GATGTTACGAAGCGCCGCTTTGTCAGAAACACACATGATGATCCAGATGATCCATCAAG 1200
QY 1201 AAACGAAGATCCCGAGATGATGAATCTGTTATACCTACAGTGAAGGCGGTGAGACTTAT 1260
DB 1201 AAACGAAGATCCCGAGATGATGAATCTGTTATACCTACAGTGAAGGCGGTGAGACTTAT 1260
QY 1261 GAAATGCTTTGAGATCAAGAGTCCCTGGAATCATGACGATGATCCCTCCTCAGCACACA 1320
DB 1261 GAAATGCTTTGAGATCAAGAGTCCCTGGAATCATGACGATGATCCCTCCTCAGCACACA 1320
QY 1321 ATTGAACCTGACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACA 1376
DB 1321 ATTGAACCTGACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACA 1376
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RESULT 11

US-09-643-597-335

; Sequence 335, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tonglong

; APPLICANT: Pan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: PastSeq for Windows Version 3.0

; SEQ ID NO 335

; LENGTH: 4849

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-643-597-335

Query Match 48.4%; Score 1364; DB 3; Length 4849;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1375; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 2 CGTTCATATCAAAGACAGTTGAAGAAATGAATTTTGAATTCACGGTGTGCCACCTTA 61

DB 1 CGTTCATATCAAAGACAGTTGAAGAAATGAATTTTGAATTCACGGTGTGCCACCTTA 60

QY 62 CAGTACTGCCCTGACCTTACATCCAGCGTTTCGTAGAAA-CCCAGCTCATTTCTCTTG 120

DB 61 CAGTACTGCCCTGACCTTACATCCAGCGTTTCGTAGAAA-CCCAGCTCATTTCTCTTG 120

QY 121 AAGAAAGTTATTACCGATCCACCATGTCACAGAGACACAGACAAATGAATTCCTCAGT 180

DB 121 AAGAAAGTTATTACCGATCCACCATGTCACAGAGACACAGACAAATGAATTCCTCAGT 180

QY 181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240

DB 181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240

QY 241 ATTGACTGAACCTTTGTGGATGAACCATCAGAAAGATGTTGCGACAAACAAAGATTGAGATT 300

DB 241 ATTGACTGAACCTTTGTGGATGAACCATCAGAAAGATGTTGCGACAAACAAAGATTGAGATT 300

QY 301 AGCATGGACTGTATCCGATCGAGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360

DB 301 AGCATGGACTGTATCCGATCGAGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360

QY 361 ACGAACCTGGGCTCCTGAACAGCATGGACACAGAGATTGAGAAAGCGCTCCTCGTCCACC 420

DB 361 ACGAACCTGGGCTCCTGAACAGCATGGACACAGAGATTGAGAAAGCGCTCCTCGTCCACC 420

QY 421 AGTCCCTATAACACAGACACACCGCGAGACAGGTCACGGCGCCCTCGCCCTACGACAG 480

DB 421 AGTCCCTATAACACAGACACACCGCGAGACAGGTCACGGCGCCCTCGCCCTACGACAG 480

QY 481 CCCAGTCCACCTTCGATGCTCTCTCCATCACCGGCCATCCCTCCAAACCGGACTAC 540

DB 481 CCCAGTCCACCTTCGATGCTCTCTCCATCACCGGCCATCCCTCCAAACCGGACTAC 540

QY 541 CCAGGCCCGCACAGTTTCAGTGTCTTTCAGAGCAGTCAGACACCGCCAAAGTCGGCCACC 600

DB 541 CCAGGCCCGCACAGTTTCAGTGTCTTTCAGAGCAGTCAGACACCGCCAAAGTCGGCCACC 600

QY 601 TGGACGTATTCCACTGAACCTGAAGAAACTCTACTGCCAAATTCGCAAGACATGCCCCATC 660

DB 601 TGGACGTATTCCACTGAACCTGAAGAAACTCTACTGCCAAATTCGCAAGACATGCCCCATC 660

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 337
; LENGTH: 1551
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-337

Query Match 43.8%; Score 1232; DB 3; Length 1551;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	145	ATGTCCAGAGCAGACAGACAAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG	204
DB	1	ATGTCCAGAGCAGACAGACAAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG	60
QY	205	GATTTTCTGGAACAGCCTATATGTTCCAGTTCAGCCCATTTGACTTGAACTTTGTGGATGAA	264
DB	61	GATTTTCTGGAACAGCCTATATGTTCCAGTTCAGCCCATTTGACTTGAACTTTGTGGATGAA	120
QY	265	CCATCAGAAAGATGGTGCAGACAAACAAAGATTGAGATTAGCATGGACTGTATCCGCATGCGAG	324
DB	121	CCATCAGAAAGATGGTGCAGACAAACAAAGATTGAGATTAGCATGGACTGTATCCGCATGCGAG	180
QY	325	GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACTTGGGGCTCTCTGAACAGC	384
DB	181	GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACTTGGGGCTCTCTGAACAGC	240
QY	385	ATGGACACAGATTTCAGAACCGCTCTCTGTCACACAGTCCCTATAACACAGACACACGG	444
DB	241	ATGGACACAGATTTCAGAACCGCTCTCTGTCACACAGTCCCTATAACACAGACACACGG	300
QY	445	CAGAACAGCGGTCAACGGCGCCCTCGCCCTACGCACAGCCAGTCCACCTTCGATGCTCTC	504
DB	301	CAGAACAGCGGTCAACGGCGCCCTCGCCCTACGCACAGCCAGTCCACCTTCGATGCTCTC	360
QY	505	TCTCCATCACCGCCCATCCCTCCAAACACCGACTACCCAGGCCCGCACAGTTTCGACGTG	564
DB	361	TCTCCATCACCGCCCATCCCTCCAAACACCGACTACCCAGGCCCGCACAGTTTCGACGTG	420
QY	565	TCTTCCAGAGTCGAGCAGCCGCAAGTGGCCACCTGGACGTATTCACACTGAATGAAG	624
DB	421	TCTTCCAGAGTCGAGCAGCCGCAAGTGGCCACCTGGACGTATTCACACTGAATGAAG	480
QY	625	AAACTCTACTGCGCAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT	684
DB	481	AAACTCTACTGCGCAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT	540
QY	685	CCTCAGGGAGCTGTTATCCGCGCCATGCTGTCTACAAAAAGCTGAGCAGCTCAGCGAG	744
DB	541	CCTCAGGGAGCTGTTATCCGCGCCATGCTGTCTACAAAAAGCTGAGCAGCTCAGCGAG	600
QY	745	GTGGTGAACGGTGCAGCCCAACATGAGCTGAGCCGTGAATTCACAGGGACAGATTGCC	804
DB	601	GTGGTGAACGGTGCAGCCCAACATGAGCTGAGCCGTGAATTCACAGGGACAGATTGCC	660
QY	805	CCTCTTAGTTCATTGTTGATTCGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCC	864
DB	661	CCTCTTAGTTCATTGTTGATTCGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCC	720
QY	865	ATCAGAGGAAGACAGAGTGTGCTGTACCTTATGAGCCACCCAGGTTCGCCACTGAATTC	924
DB	721	ATCAGAGGAAGACAGAGTGTGCTGTACCTTATGAGCCACCCAGGTTCGCCACTGAATTC	780
QY	925	ACGACAGTCTGTACAAATTCATGTGTAAACAGAGTTGTGTGGAGGGATGAACCCCGT	984
DB	781	ACGACAGTCTGTACAAATTCATGTGTAAACAGAGTTGTGTGGAGGGATGAACCCCGT	840
QY	985	CCAAATTTTAATCATTTGTTACTCTTGGAAACACAGAGATGGGCAAGTCTCTGGGCCGACGCTGC	1044

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Job time : 459 secs

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DB	901	TTTGAGGCCCGGATCTGTCTTGCCCGAGGAGACAGAGCGGATCAAGATAGCATC	960
QY	1105	AGAAAAGCAGCAAGTTTTCGGACAGTACAAAGAACGGTGTGTTACGAAAGCCCGTTTCGT	1164
DB	961	AGAAAAGCAGCAAGTTTTCGGACAGTACAAAGAACGGTGTGTTACGAAAGCCCGTTTCGT	1020
QY	1165	CAGAAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA	1224
DB	1021	CAGAAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA	1080
QY	1225	CTGTTTATCTTACCACTGAGGGCCGTGAGACTTATGAAATCTGTTGAAGATCAAAGAG	1284
DB	1081	CTGTTTATCTTACCACTGAGGGCCGTGAGACTTATGAAATCTGTTGAAGATCAAAGAG	1140
QY	1285	TCCCTGGAACTCATGCACTACCTTCTCAGCACACAAATTTGAAACGTACAGGCAACAGCAA	1344
DB	1141	TCCCTGGAACTCATGCACTACCTTCTCAGCACACAAATTTGAAACGTACAGGCAACAGCAA	1300
QY	1345	CAGCAGCAGCACCCAGCACCTTACTTTCAGAAACA	1376
DB	1201	CAGCAGCAGCACCCAGCACCTTACTTTCAGAAACA	1232

GenCore version 5.1.6
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Maximum Match 100%
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-TRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
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21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:
22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2383	100.0	1347	19	US-10-716-359-3
2	2383	100.0	2816	9	US-09-735-705-333
3	2383	100.0	2816	9	US-09-850-716A-333
4	2383	100.0	2816	9	US-09-897-778-333
5	2383	100.0	2816	14	US-10-007-700-333
6	2383	100.0	2816	15	US-10-117-982-333
7	2383	100.0	2816	16	US-10-393-590-26
8	2383	100.0	2816	16	US-10-393-590-27
9	2383	100.0	2816	16	US-10-393-590-64
10	2383	100.0	2816	16	US-10-393-590-65
11	2383	100.0	2816	16	US-10-393-567-26
12	2383	100.0	2816	16	US-10-393-567-27
13	2383	100.0	2816	16	US-10-393-567-64
14	2383	100.0	2816	16	US-10-393-567-65
15	2383	100.0	2816	16	US-10-394-087-26
16	2383	100.0	2816	16	US-10-394-087-27
17	2383	100.0	2816	16	US-10-394-087-64
18	2383	100.0	2816	16	US-10-394-087-65
19	2383	100.0	2816	17	US-10-313-986-333
20	2383	100.0	2816	20	US-10-775-972-333
21	2383	100.0	2816	22	US-10-922-124-333
22	2296	96.3	1452	19	US-10-716-359-9
23	2185	91.7	1551	9	US-09-735-705-337
24	2185	91.7	1551	9	US-09-850-716A-337
25	2185	91.7	1551	9	US-09-897-778-337
26	2185	91.7	1551	14	US-10-007-700-337
27	2185	91.7	1551	15	US-10-117-982-337
28	2185	91.7	1551	17	US-10-313-986-337
29	2185	91.7	1551	19	US-10-716-359-2
30	2185	91.7	1551	20	US-10-775-972-337
31	2185	91.7	1551	22	US-10-922-124-337
32	2185	91.7	1926	19	US-10-716-359-1
33	2185	91.7	2270	9	US-09-735-705-332
34	2185	91.7	2270	9	US-09-850-716A-332
35	2185	91.7	2270	9	US-09-897-778-332
36	2185	91.7	2270	14	US-10-007-700-332
37	2185	91.7	2270	15	US-10-117-982-332
38	2185	91.7	2270	17	US-10-313-986-332
39	2185	91.7	2270	20	US-10-775-972-332
40	2185	91.7	2270	22	US-10-922-124-332
41	2185	91.7	4849	9	US-09-735-705-335
42	2185	91.7	4849	9	US-09-850-716A-335
43	2185	91.7	4849	9	US-09-897-778-335
44	2185	91.7	4849	14	US-10-007-700-335
45	2185	91.7	4849	15	US-10-117-982-335

ALIGNMENTS

RESULT 1
US-10-716-359-3
; Sequence 3, Application US/10716359
; Publication No. US2004013120A1
; GENERAL INFORMATION:
; APPLICANT: Yang, Annie
; APPLICANT: McKeon, Frank
; TITLE OF INVENTION: CELL REGULATORY GENES, ENCODED PRODUCTS, AND USES
; FILE OF INVENTION: RELATED THERETO
; FILE REFERENCE: HMV-038.01
; CURRENT APPLICATION NUMBER: US/10716.359
; CURRENT FILING DATE: 2003-11-18
; PRIOR APPLICATION NUMBER: US/09/174,493
; PRIOR FILING DATE: 1998-10-15
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-05-29
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-05-29

;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/062,076

;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-15

;; NUMBER OF SEQ ID NOS: 50

;; SOFTWARE: PatentIn Ver. 2.0

;; SEQ ID NO 3

;; LENGTH: 1347

;; TYPE: DNA

;; ORGANISM: Homo sapiens

;; FEATURE:

;; NAME/KEY: CDS

;; LOCATION: (1)..(1344)

US-10-716-359-3

Alignment Scores:

Pred. No.: 3,81e-277 Length: 1347
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 19 Gaps: 0

US-09-670-568C-1 (1-448) x US-10-716-359-3 (1-1347)

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Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 1 ATGTCCAGACGACACACAAATGAATTCCTCAGTCCAGAGGTTTTCAGCATATCTGG 60
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 61 GATTTCCTGGNACAGCCTATATGTTTCAGTTCAGGCCCATGACTTGAATTTGTGGATGAA 120
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluLeuSerMetAspCysIleArgMetGln 60
Db 121 CCATCAGAAGATGTGGCACAACAAGATTAGCATGGACTGTATCCGCATGCAG 180
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 181 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACTGGGGGCTCCTGAAACAGC 240
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 241 ATGGACACGACGATTCAGAACGGCTCTCTGTCACACAGTCCCTATATACACAGACCGG 300
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 301 CAGAACACGGTTCACGGCGCCCTCGCCCTAGCAGACGCCAGCTCCACCTTCGATGCTCTC 360
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 361 TCTCCATCACCCGCATCCCTCCACACCGACTACCCAGGCCCGCACAGTTTCGACGGT 420
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 421 TCCTTCAGCAGTTCGACACCGCCCAAGTCGGCCACTGGAGCTATTCACCTGAACCTAAG 480
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 481 AAACCTACTGCCAAATTCGAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 540
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 541 CCTCAGGAGCTGTTATCCGGCCCATGCTGTACAAAAAAGCTGAGCAGCTCACCGAG 600
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 601 GTGGTGAAGCGTGCCCCCAACATGAGCTGAGCGTGNATTCACAGGGGACAGATTGCC 660
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 661 CCTCCTAGTATTGATTTCGAGTAGAGGGGAACAGCCATGCCAGTATGTAGAAGATCCC 720
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
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Db 721 ATCACAGGAAGACAGAGTGTGGTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 780
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
Db 781 ACCACAGTCTTGTACAAATTCATGTGTAAACAGCAGTTGTCTGGAGGGATGAACCGCGT 840
Qy 281 ProIleLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 841 CCAATTTTAAATCATTTGTTACTCTGGAAACCCAGAGATGGGCAAGTCTCTGGGCGGACGTGC 900
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 901 TTTGAGCCCGGATCTGTCTGCCAGGAAGACAGAGGCGGATGAAGATAGCATC 960
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 961 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGTGATGGTACGAAGCCCGCTTCGT 1020
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1021 CAGAACACACATGGTATCCAGATGCATCCATCAAGAAACGAAGATCCCAGATGATGAA 1080
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1081 CTGTTATATCTTACAGTGGGGCCCGTGAGACCTTATGAATGCTGTGAAGATCAAGAG 1140
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1141 TCCTTGGAACTCATGTCAGTACCTTCTCTCAGCACACAAATTCAGGACGACGCAACGAA 1200
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1201 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTCTTCAGCCTCTTCAGGAATGAG 1260
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1261 CTTGTGGAGCCCGGAGAGAACTCCAAAACATCTGACGCTCTCTTTAGACATCCCAAG 1320
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1321 CCCCCAAACCGATCAGTGTACCCA 1344
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RESULT 2

US-09-735-705-333

;; Sequence 333, Application US/09735705

;; Patent No. US20020052329A1

;; GENERAL INFORMATION:

;; APPLICANT: Wang, Tongtong

;; APPLICANT: Fan, Liqun

;; APPLICANT: Kalos, Michael D.

;; APPLICANT: Bangur, Chaitanya S.

;; APPLICANT: Hosken, Nancy

;; APPLICANT: Fanger, Gary R.

;; APPLICANT: Li, Samuel X.

;; APPLICANT: Wang, Aijun

;; APPLICANT: Skeiky, Yasir A.W.

;; APPLICANT: Henderson, Robert A.

;; APPLICANT: McNeill, Patricia D.

;; APPLICANT: Fanger, Neil

;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

;; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

;; FILE REFERENCE: 210121.455C14

;; CURRENT APPLICATION NUMBER: US/09/735,705

;; CURRENT FILING DATE: 2000-12-12

;; NUMBER OF SEQ ID NOS: 419

;; SOFTWARE: FastSeq for Windows Version 3.0

;; SEQ ID NO 333

;; LENGTH: 2816

;; TYPE: DNA

;; ORGANISM: Homo sapiens

US-09-735-705-333

Alignment Scores:


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Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-735-705-333 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCACAGAGCAGACAGACAAATTCCTCAGTCAGAGGTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCCTGGAACAGCCTATATGTTGAGTTCAGTTCAGCCCATTTGTTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGTCGCGCAACAAAGATTGAGATTAGCATGAGCTGTATCCGCGATCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTACCCCATGTGCCACAGTACACAGAACCTGGGGCTCCTGAAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGAGATTCAGACGGCTCTCTGTCACAGTCCCTATATACAGACAGCCAGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTCACGGCGCCCTCGCCCTAGCACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGCGCATCTCCCTCAACACCGACTACCCAGCGCCGACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCAGCAGTCGACGACCGCCCAAGTCGGCCACCTGGAGCTATTCACCTGAACTGAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTATCCCGCCCATGCTCTACAAAAAAGCTGAGCAGCTCAGCGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCCNACCATGAGTCGACCGCTGAATTCACAGGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCATTGATTCCAGTAGAGGGGAACAGCCATGCCAGTAGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAAGACAGAGTGTCTGTTACCTTATGAGCCACCCAGGTTCGACCTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGTCTTGTAACATTCATGTGTAAACAGCAGTTGTGTGGAGGGATGAACCGCGT 984
Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAACTATTGTTACTCTGAAACACAGACATGGGCAAGTCTCTGGGCGGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCGCGGATCTGTGCTTGCCAGGAAGACAGGAAGCGCGATGAAGTAGCATC 1104
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Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCAGCAGCAAGTTTCGGACAGTACAAAGACGGTGATGTTAGGAAGCGCCGTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACGAGATCCCGAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATCTTACAGTAGGAGGGCCGTCAGACTTATGAATGCTGTTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCCTGGAACTCATGAGTACCTTCTCAGCACACAATTCAGACGTCAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisIleLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTCAGCCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAACTCCAAACAATCTGACGCTCTTTTAGACATTCACAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGTACCCA 1488

RESULT 3
US-09-850-716A-333
; Sequence 333, Application US/09850716A
; Patent No. US20020115139A1
; GENERAL INFORMATION:
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Retter, Marc W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C15
; CURRENT APPLICATION NUMBER: US/09/850, 716A
; CURRENT FILING DATE: 2001-05-07
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-850-716A-333

Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-850-716A-333 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCACAGAGCAGACAGACAAATTCCTCAGTCAGAGGTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCCTGGAACAGCCTATATGTTGAGTTCAGTTCAGCCCATTTGTTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGTCGCGCAACAAAGATTGAGATTAGCATGAGCTGTATCCGCGATCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
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Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACCTGGGGCTCTCTGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGACACAGCAGATTCAAGCGGTCTCTGCTCCACAGTCTCTATAACACAGACACGCG 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTCACGGCGCTCTCCCTACGACAGCCAGCTCCACTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGGCATCCCTCCACACCGACTACCGACCGCCGCGCAGCTTCGACGTG 564
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCTTTCAGCAGTCCGACCGCCCAAGTCGGCCACCTGGACGTATTCCTACTGAAGTGAAG 624
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
QY 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTATCCGGCCATCGCTGTCTACAAAAAAGCTGAGCACGTCACGGAG 744
QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGTGCAGCGTGAATTCACAGGAGGACAGATTGCC 804
QY 221 ProProSerHisLeuIleArgValGluGlyValGlnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCTATTGATTCGAGTAGAGGGGACAGCCATGCCCATGTATGAGAAGATCCC 864
QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGAAAGACAGAGTGTGTGTTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACACAGCTCTGTACAAATTCATGTGTAAACAGCAGTTGTGTGGAGGATGAACCGCCGT 984
QY 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAACTATTGTTACTCTGAAACCCAGAGATCGGCAAGTCTCTGGCCCGCAGCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTGCCAGGAAGACAGACAGGAAGCGGATGAAGATAGCATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGACCGGTGATGGTAGAAGCCCGCTTTCGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACATGTTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLysGlu 380
Db 1225 CTGTTATACTTACCAGTGAAGGGCGGTGAGACTTATGAAATGCTGTGTAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCCTGGAACCTCATGCTAGTACCTTCTCCAGCACACAATTGAAAGGTGACGCAACAGCAA 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGACCCAGCAGCTTACTTCAGAAACAATCTCTTTTCAGCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTTGTGAGGCCCCGAGAGAAACTCCAAAAACAATCTGACGCTCTCTTTTAGACATTTCAAAG 1464

QY 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCGATCAGTGTACCCA 1488

RESULT 4

US-09-897-778-333
; Sequence 333. Application US/09897778
; Patent No. US20020147143A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Peckham, David W.
; APPLICANT: Fanger, Neil
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C16
; CURRENT APPLICATION NUMBER: US/09/897,778
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 467
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-897-778-333

Alignment Scores:
Pred. No.: 1,216-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-897-778-333 (1-2816)

QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCTCCAGACACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTTCAGCATATCTGG 204
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACAGCGCTATATGTTCAAGTTACGCCCAATGACTTGAACCTTTGTGGATGAA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGGTGGCAACAAAGATGAGATTAGCATGGACTGTATCCGATGCGAG 324
QY 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCTCTGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGCAGATTTCAGAACCGCTCTCGTCCACAGTCCCTTATAACACAGACACGCG 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTCACGGCGCTCTCGCCCTACGACAGCCAGCTCCACTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGGCATCCCTCCACACCGACTACCGACCGCCGCGCAGCTTCGACGTG 564
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCTTTCAGCAGTCCGACCGCCCAAGTCGGCCACCTGGACGTATTTCCACTGAACCTGAAG 624

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Qy 161 LysLeuTyrCysGlnAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTACTGCGAAATGCAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTTATCCGCGCATGCTGTCTACAAAAAAGCTGAGCAGCTCACGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGTGAAGCGGTGCCCAACCATGAGCTGAGCGTGAATTCACACGAGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValIleGluGlyAsnSerHisAlaGlnTyrValIleAspPro 240
Db 805 CCTCCTAGTCATTGATTGAGTAGAGGGAAACAGCCATGCCCATGTATGTAGAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGAGACACAGAGTGTCTGTACCTTATGAGCCACCCAGCTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGCTCTGTACAAATTCATGTGTAAACAGCAGTTGTGTGGAGGGATGAACCGCGT 984
Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgCys 300
Db 985 CCATTTTATCATTTGTTACTCTGGAACACAGAGATGGGCAAGTCTTGGGCGGACGTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCGCGATCTGTGCTTGTCCAGGAAGACAGAGGAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGACAGCAAGTTTCGGACAGTACAAAGAACCGTGTATGTTACGAAAGCGCGCTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTATCCAGATGCATCCATCAAGAAACGAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATACTTACCACTGAGGGCGGTGAGACTTATGAATGCTGTTGAAGATCAAAAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCCTGGAACCTCATGCACTACCTTCTCAGCACACAATTGAACGTTACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAACATCTCTTCAGCGCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCCGAGAGAACTCCAAAACAATCTCTTCAGCGCTGCTTCAGCAATTCGAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCGATCAGTGTACCCA 1488
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RESULT 5

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US-10-007-700-333
; Sequence 333, Application US/10007700
; Publication No. US20030064947A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongcong
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Li, Samuel X.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
```

```
; APPLICANT: Fanger, Neil
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Peckman, David W.
; APPLICANT: Cai, Feng
; APPLICANT: Foy, Teresa M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C17
; CURRENT APPLICATION NUMBER: US/10/007.700
; CURRENT FILING DATE: 2001-11-30
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-007-700-333

Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-670-568C-1 (1-448) x US-10-007-700-333 (1-2816)
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Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCAGAGCAGACAGACAAATGAATTCCTCAGTCAGAGGTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProfileCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCTCGAACAGCCTATATGTTTCAGTTTCAGCCCATTCGACCTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluLysSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAGATGTCGCAACAAAGATTGAGATTAGCATGAGCTGTATCCGATGCGAG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCCTGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGACCCAGCAGATTTCAGAACGGCTCTCTCTCCACCATGCTCCATATACACAGACCGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTTCACGGCGCCTCGCCCTACGACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATACCCGCCCATCCCTCCAAACACCGCATACCCAGCCGCGCAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCAGCAGCTCGAGCAGCCGCAAGTCGCGCCACCTGGAGCTATTCCATGAACTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTACTGCGAAATGCAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTTATCCGCGCATGCTGTCTACAAAAAAGCTGAGCAGCTCACGGAG 744
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Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGTGAAGCGTGCCTCCCAACCATGAGCTGAGCGTGAATTAACAGGAGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluClyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCTAGTCATTGATTCCGAGTAGAGGGGAACAGCCATGCCAGTAGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGGAAGACAGAGTGTGTGTACCTATGAGCCACCCAGGTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGTCTTGTAACAATTTTCATGTAAACAGCAGTGTGTGTGGAGGGATCAACCGCGT 984
Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAATCATGTGTACTCTGGAACACAGAGATGGGCAAGTCTTGGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTTCCAGGAAGACAGAGGAGGCGGATGAAGATAGATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCAGCAAGTTTCGGACAGTACAAAGAACCGTGATGTGTACGAAGCGCCCGTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACAACATGTATCCAGATGACATCCATCAAGAAACGAAGATCCCGAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLysIleLysGlu 380
Db 1225 CTGTATATCTACAGTGAGGGGCGTGAGACTTATGAATGCTGTGTAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTGTGAATCTATGTCAGTACCTTCCTCAGCACAAATTTGAAACGTACAGGCAACAGAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCAGTCTTACATTCAGAAACATCTCTTCAGCCTGCTTCAGAAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTGTGTGAGCCCGGAGAGAACTCCAAACAACTCTGACGCTCTCTTTAGACATCCCAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCGATCAGTGTACCCA 1488
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RESULT 6

US-10-117-982-333

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; Sequence 333, Application US/10117982
; Publication No. US20030138438A1
; GENERAL INFORMATION:
; APPLICANT: Foy, Teresa M.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Mericle, Barbara
; APPLICANT: Spies, Gregory A.
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Tongtong
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C18
; CURRENT APPLICATION NUMBER: US/10/117,982
; CURRENT FILING DATE: 2002-04-05
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; NUMBER OF SEQ ID NOS: 484
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-117-982-333

Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-670-568C-1 (1-448) x US-10-117-982-333 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyrp 20
Db 145 ATGTCCAGAGCAGACAGACAAATGAATTCCTCAGTCCAGAGGTTTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAAACAGCCTATATGTTGAGTTACGCCATTCAGCTTGAACTTTTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGTCGCGACAAACAGATTGAGATTAGCATGACTGTATCCGCATCGAG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCCTGGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGATTGAGAAACGGCTCTCTGTCACCAAGTCCCTTATTAACACAGACACCGC 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCATCCCGCCATCCCTCCAAACACCGACTACCCAGCCCGCCAGCTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCGTCCGAGCACCGCCAAAGTCGGCCACCTGGACGTTATTCCTGAACTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAATCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGAGCCCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTATTATCCCGCCATTCCTGTCTACAAAAAAGCTGAGCAGCTCAGCGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCCCAACCATGAGCTGAGCCGTGAATTCACCGAGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCTAGTCATTGATTTCAGTAGAGGGGAAACAGCCATGCCAGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGGAAGACAGAGTGTGTGTGTACCTTATGAGCCACCCAGGTTGGCATGTAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGTCTTGTAACAATTTTCATGTAAACAGCAGGTTGTGTGGAGGGATGAACCCCGT 984
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Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgCys 300
Db 985 CCAATTTTAACTATTGTTACTCTGGAACACAGAGATGGGCAAGTCTCTGGGCGGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTGGCCAGAGAGACAGGAAGGGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCGCAGCAAGTTTCGACAGTACAAAGAACGGTATGATGTAAGCGGCCCTTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATACTTACCAGTGGGGGCGTGGAGACTTATGAAATGCTGTTGAAGATCAAAAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCCTGGAACCTCATGCAGTACCTTCCTCAGCACACAATTGAACGTACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAACATCTCTTTCAGGCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCCGGAGAGAACTCCAAACAATCTGACGCTTCTTTTAGACATTCCTCAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGTACCCA 1488

RESULT 7
US-10-393-590-26
; Sequence 26, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-590-26

Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 16 Gaps: 0

US-09-670-568C-1 (1-448) x US-10-393-590-26 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db 145 ATGTCCAGAGCACACAGAAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
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Db 205 GATTTTTCGAAACAGCCCTATATGTTTCAGTTCAGCCCATTTGACTTTGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysValIleArgMetGln 60
Db 265 CCATCAGAGATGGTGGCAACAAAGATTGAGATTAGCATGGACTGTATCCGATGCGAG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCTCTGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACAGCAGATTCAGAACGGCTCTCGTCCACCAAGTCCCTATAACACAGACACACCGC 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCTGACGGGCGCCCTCGCCCTAGCACAGCCAGCTCCACTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGCCCATCCCTCCAACACAGCACTTACCAGCGCCGACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGTCGAGCACCGCCAAAGTCGGCCACCTGCGACGTATTCACCTGAACCTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAATCTACTGCCCCAAATTGCCAAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTTATTCGCGCCATGCTCTCTCAAAAAAGCTGAGCAGCTCACGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGTGAATTCACAGAGGAGCAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CTCTCTAGTCTATTGATTGAGTAGAGGGGAAACAGCCATGCCCATGATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGGAAGACAGAGTGTGCTGTTACCTTATGAGCCACCCAGGTTGGCAGCTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
Db 925 ACGACAGTCTTGTACAAATTTTCATGTGTAAACAGCAGTGTGTGTGGAGGGATGAACCGCGT 984
Qy 281 ProIleIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyValArgCys 300
Db 985 CCAATTTTATCATTTGTTACTCTGGAACCCAGAGATGGGCAAGTCTCTGGGCGGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTCCCGAGGAGACAGGAGCGGATGAAGATGATGATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCAGCAAGTTTCGACAGTACAAAGACCGTATGATGTTAGAGATCAAGAG 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATACTTACCAGTGGGGGCGGTCGAGACTTATGAATGCTGTTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCCTGGAACCTCATGCACTTCTCAGCACACAATTTGAACGTACAGGCAACAGCAA 1344
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; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-590-64

Alignment Scores:
Pred. No.:      1,21e-276      Length:      2816
Score:          2383.00        Matches:      448
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00% Mismatches:      0
Query Match:     100.00%      Indels:         0
DB:              16          Gaps:           0

US-09-670-568C-1 (1-448) x US-10-393-590-64 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCTGGAACAGCCTATATGTTTCAGTTCAGCCCATTTGAACTTTGTGGATGAA 264
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACAGCCTATATGTTTCAGTTCAGCCCATTTGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetCln 60
Db 265 CCATCAGAAGATGGTGCACAAACAGATTGAGATTAGCATGGACTGTATCCGATGCG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGCAACCTGGGGCTCTGNAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrProTyrAsnThrAspHisAla 100
Db 385 ATGGACACGACAGATTCAAGACGGCTCTCGTCCACAGTCCCTATTAACACAGACACGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAsnAlaLeu 120
Db 445 CAGAACACGCTCAGCGGGCCCTCGCCCTACGACACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTTCATCACCGGCATCCCTCCAAACACCGACTACCCAGCGCCGCGCAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCAGCAGTTCGAGCAGCCGCAAGTCGGCCACCTGGAGCGTATTCACCTGAACCTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAATCTACTGCCAAATTCGAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGGTGTATCCGGGCCATGCTGTCTACAAAAAAGCTGAGCAGCTCAOGGAG 744
Qy 201 ValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGGTGAATTCACAGGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCTATTTGATTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCAGGAAGACAGAGTGTCTGTGTTATGAGCCACCCAGGTGGACCTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
Db 924 ATGTCCTGAGTCTATTTGATTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864

925 ACGACAGTCTTGTGTACAAATTTTCATGTGTAAACAGCAGTGTGTGTGGAGGATGAACCCCGCT 984
Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAAATCATTTGTTACTCTCGAAACACAGATGGGCAAGTCTCTGGCGGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTTCCAGGAAGACAGCAGGAAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGACAGTACAAAGAACCGTATGTTACGAAGCGCCCGTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGATCCATCAAGAAACGAAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATACTTACCAGTGAGGGGCGGTGAGACTTATGAAATGCTGTTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCCTGGAACCTCATGCGAGTACCTTCTCAGCACACAATTGAAACGTACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTTTCAGGCTGCTTCAGGNAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAAACTCCAAACAAATCTGACGCTCTTCTTTAGACATTTCCAAG 1464

RESULT 10
US-10-393-590-65
; Sequence 65, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-590-65

Alignment Scores:
Pred. No.:      1.21e-276      Length:      2816
Score:          2383.00        Matches:      448
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00% Mismatches:      0
Query Match:     100.00%      Indels:         0
DB:              16          Gaps:           0

US-09-670-568C-1 (1-448) x US-10-393-590-65 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCTGGAACAGCCTATATGTTTCAGTTCAGCCCATTTGAACTTTGTGGATGAA 264
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACAGCCTATATGTTTCAGTTCAGCCCATTTGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetCln 60
Db 265 CCATCAGAAGATGGTGCACAAACAGATTGAGATTAGCATGGACTGTATCCGATGCG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGCAACCTGGGGCTCTGNAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrProTyrAsnThrAspHisAla 100
Db 385 ATGGACACGACAGATTCAAGACGGCTCTCGTCCACAGTCCCTATTAACACAGACACGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAsnAlaLeu 120
Db 445 CAGAACACGCTCAGCGGGCCCTCGCCCTACGACACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTTCATCACCGGCATCCCTCCAAACACCGACTACCCAGCGCCGCGCAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCAGCAGTTCGAGCAGCCGCAAGTCGGCCACCTGGAGCGTATTCACCTGAACCTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAATCTACTGCCAAATTCGAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGGTGTATCCGGGCCATGCTGTCTACAAAAAAGCTGAGCAGCTCAOGGAG 744
Qy 201 ValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGGTGAATTCACAGGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCTATTTGATTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCAGGAAGACAGAGTGTCTGTGTTATGAGCCACCCAGGTGGACCTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
Db 924 ATGTCCTGAGTCTATTTGATTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864
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Db 205 GATTTCCTGGAAACAGCCTATATGTTTCAGTTCAGCCCATTCAGTTCGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleAtrgMetGln 60
Db 265 CCATCAGAAGATGGTGGCAACAAAGATTAGATTAGCATGGACTGTATCCGCATGCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACTCGGGCTCCTGAAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGACAGATTCAAGACGGCTCTCGTCCACCATCCCTATTAACACAGACCAGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCTCAGCGGCCCTCCCTTACGCACAGCCAGCTCCACTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGCCATCCCTCCCAACACCGACTACCCAGCGCCGCACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGTCCAGCAGCGCCCAAGTCGGCCACCTGGACGTATTTCACCTGAACTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTACTGCCAAATTGCAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleAtrgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CTTCAGGAGCTGTTATCCGGCCCATGCTGTCTACAAAAGCTGAGCAGCTCACCGAG 744
Qy 201 ValLysLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGTGAATTCACACGAGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleAtrgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCTATTGATTGAGTAGAGGGAGAACAGCCATGCCCATGTAGTAGAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCACAGAAACAGAGAGTGTCTGTACCTTATGAGCCACCCAGGTGTGCACCTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACACAGCTCTTGTAACAATTTTCATGTGAACAGCAGTTGTGTGGAGGGATGAACCCGCGT 984
Qy 281 ProfileLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyAtrgAtgCys 300
Db 985 CCAATTTTATCATTTACTCTCTGAAACACAGATAGGGCAAGTCTTGGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTGTGCCCAGGAAGACAGAGGAGGGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGGTGATGGTACGAAGCGCCCGTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTACTTACAGTGAGGGGCGGTGAGACTTATGAATGCTGTGTTGAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400

Db 1285 TCCTTGAACTCATGTCAGTACCTTCTCTCAGCACACAAATTGAAACGTTACAGGCAACAGAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheAtrgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAACATCTCTTTCCAGCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAACTCCAAACAAATCTGACGCTCTCTTTAGACATTCCAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCGATCAGTGTACCCA 1488
RESULT 11
US-10-393-567-26
; Sequence 26, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-567-26
Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0
US-09-670-568C-1 (1-448) x US-10-393-567-26 (1-2816)
Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCTCCAGACACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAAACAGCCTATATGTTTCAGTTTCAGCCCATTCAGTTCGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleAtrgMetGln 60
Db 265 CCATCAGAAGATGGTGGCAACAAAGATTAGATTAGCATGGACTGTATCCGCATGCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACAGAACTCGGGCTCCTGAAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGCAGATTCAAGACGGCTCTCGTCCACCATCCCTATTAACACAGACCAGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTTCAGCGGCCCTCGCCCTACGCACAGCCAGCTCCACTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCCGCCATCCCTCCCAACACCGACTACCCAGCGCCGCACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160


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Db 565 TCCTCCAGCAGCTCGAGCACCAGTCGGCCACCTGGACGTATTCACCTGACCTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrPro 180
Db 625 AAACCTACTGCGCAAAATTCGAAGACATGCCCCATCCAGATCAAGGTGATGACCCCACT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGGTGTATTCGGGCCATGCTGTCTACAAAAGAGCTGACGATCAGCGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCCAACCATGAGCTGAGCGGTGAATTCACAGGGAGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCATTTGATTTCGAGTAGAGGGGACAGCCATGCCCATGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAACAGAGGTGCTGTGATCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
Db 925 ACGACAGTCTTGTAACAATTCATGTGTAAACAGCAGTTGTGTGGAGGATGAACCGCGT 984
Qy 281 ProIleLeuIleValThrLeuGluThrArgaspGlyGlnValLeuGlyArgCys 300
Db 985 CCAATTTTAAATCATTTGTACTCTGGAAACACAGAGATGGGCAAGTCTGGGCGCAGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTTGCCAGGAAGACAGAGAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGACAGTACAAAGAACCGTGATGTACGAAGCGCCGTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACCAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLysIleLysGlu 380
Db 1225 CTGTTATCTTACCAGTAGGGGCGGTGAGACTTATGAATGCTGTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCCTGGAACCTCATGCACTACCTTCCTCAGCACACAATTTGAACGTACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAAACATCTCCTTTCAGCGCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCCGGAGAGAACTCCAAAACAATCTGACGCTCTTCTTAGACATTCCAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCCGATCAGTGTACCCA 1488
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RESULT 12

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US-10-393-567-27
; Sequence 27, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
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; PRIOR APPLICATION NUMBER: 60/368,667
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; PRIOR FILING DATE: 2002-03-29
```

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; NUMBER OF SEQ ID NOS: 100
```

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; SOFTWARE: PatentIn version 3.1
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; SEQ ID NO 27
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; LENGTH: 2816
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; TYPE: DNA
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; ORGANISM: human
```

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US-10-393-567-27
```

Alignment Scores:

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Pred. No.: 1.21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 16 Gaps: 0
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US-09-670-568C-1 (1-448) x US-10-393-567-27 (1-2816)
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Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCAGAGCACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCCACGATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCTGGAACAGCCTATATGTTCACTTCAGCCCATTCGACTTGAACCTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAAGATGTCGCAACAAAGATTGAGATTAGCATGGAGCTGTATCCGCATGTCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GATTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACTCTGGGGCTCTCTGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACGAGATTGAGAAGCGCTCTCTCTCCACCACTGCTTATTAACACAGACACCGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGCTCAGCGCGCCTCGCCCTACGCACAGCCAGCTCCACCTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCCGCCATCCCTCCACACAGCAGCTACCCAGCGCCGACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCAGCAGCTCGAGCACCGCCNAGTCGCGCCACCTGGAGCTATTCCACTGAACCTGAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTCTACTGCCAAATTCGAAAGACATGCCCCATCCAGATCAAGGTGATGACCCCACT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTATTCGCGCCATGCTGTCTACAAAAGAGCTGAGCAGCTCAGCGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGCGGTGAATTCACAGAGGAGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTCAATTTGATTTCGAGTAGAGGGGAAACAGCCATGCCCATGTATGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAAGACAGAGTGTGCTGTGATCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArg 280
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Db 925 ACACAGCTCTGTACAAATTTTCATGTAAACAGCAGTTGTGTGGAGGATGAACCGCGT 984
Qy 281 ProfilellelleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgCys 300
Db 985 CCAATTTTAAATCATGTGTACTCTGGAACACAGAGATGGGCAAGTCCCTGGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTTGGCCAGGAAGACAGAGGAGCGGATGAAGATAGATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGTGTACGAAGCGCCGCTTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTGTATCCAGATGACATCCATCAAGAAACGAAGATCCCGCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLysGlu 380
Db 1225 CTGTATACCTACCAAGTGGGGCCGTCGAGACTTATGAATGCTGTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCTTGAACCTCATGTCAGTACCTTCCTCAGCACACAATTGAAACGTCACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGTACTTACTTCAGAAACATCTCCTTCAGCCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAACTCCAAACAATCTGACGCTCTCTTTAGACATTCCAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAACCGATCAGTGTACCCCA 1488
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RESULT 13

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US-10-393-567-64
; Sequence 64, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-567-64
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Alignment Scores:

Pred. No.:	1,21e-276	Length:	2816
Score:	2383.00	Matches:	448
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	16	Gaps:	0

US-09-670-568C-1 (1-448) x US-10-393-567-64 (1-2816)

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Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db 145 ATGTCCAGACGACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCAGCATATCTGG 204
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Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAenPheValAspGlu 40
Db 205 GATTTTCTGGACAGCCTATATGTTTCAGTTACGCCATTGACTTGAACTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGGTTCGCACAAACAAGATTGAGATTGACATGGACATGTATCCGCATGCAG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAenSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACGACACCTGGGGCTCTCTGACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGCAGATTGAGAACCGCTCTCGTCCACAGTCCCTTATAACACAGACACCGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGCTCAGCGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATACCCCGCATCCCTCCACACCGACTACCCAGGCCCGCCACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGTCGAGCACCGCCAAAGTCGGCCACCTGGACGCTATTTCCTCACTGAAC 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTCTACTGCCAAATTGCAAGACATGCCCCATCCAGATCAAGGTGATGACCCCACT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CTCAGGAGCTGTTATCCGGCCATGCTGTGTCTACAAAAAGCTGAGCACGTCACGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTC AACGAGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAaspPro 240
Db 805 CCTCCTTAGTCATTTGATTGAGTAGAGGGGAACAGCCATGCCCAGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAAGACAGAGTGTGTGTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGTCTTGTACAAATTTTCATGTGTAACAGCAGTTGTGTGGAGGGATGAACCCCGT 984
Qy 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAAATCATGTGTACTCTGGAACACAGAGATGGGCAAGTCTCTGGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTTGGCCAGGAAGACAGAGGAGCGGATGAAGATAGATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGTGTGTTACGAGGCGCCGCTTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCGCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLysGlu 380
Db 1225 CTGTATACCTACCAAGTGGGGCCGTCGAGACTTATGAATGCTGTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
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Db 1285 TCCTGGAACTCATGCGTACCTTCTCAGCACACAATTGAACGTCAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAACTCCAAAACAATCTGACGCTCTCTTTAGACATTCGAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGTACCCA 1488

RESULT 14

US-10-393-567-65
; Sequence 65, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human

US-10-393-567-65

Alignment Scores:

Pred. No.: 1.21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 16 Gaps: 0

US-09-670-568c-1 (1-448) x US-10-393-567-65 (1-2816)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db 145 ATGTCCAGAGCACACAGAAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCTGGACAGCCTATATGTTCAAGTTCAGCCCATTCGACTTGAACCTTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluLeuSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGTCGCGACAAACAGATTGAGATTAGCATGAGTGTATCCGCGATCGAG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGCGCCAGTACAGCAACCTGGGGCTCCTGGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACACAGCAGATTCAAGACGGCTCTCTGTCACCCAGTCCCTATACACAGACCAGCG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerThrPheAspAlaLeu 120
Db 445 CAGACAGCGTCAAGCGGCGCTCGCCCTACGCAGAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCGCGCATCCCTCCAAACACCGACTTACCACGGCCCGCAGCTTTCGACGTC 564

Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGTCGAGCAGCCGCAAGTCGGCCACCTGGAGCATATCCACATGAACGAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACTCTACTGCAAAATTCGAAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CTTGAGGAGCTGTTATCCCGGCGCATGCTGTCTACAAAAGAGCTGAGCAGCTCAGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGTTGAAGCGGTGCCCAACCATGAGTCAGGCGTCAATTCACAGGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CTTCTTAGTCAATTTGATTTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAACAGACAGAGTGTCTGTGTACCTTATGAGCCACCCAGGTTGGACATGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACCGACAGTCTTGTACAAATTTCTGTGTAAACAGCAGTGTGTGTGGAGGGATGAACCGCGT 984
Qy 281 ProIleLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAAATCATTTGTTACTCTGGAAACACAGAGATGGGCAAGTCTCTGGGCGCAGTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTGAGGCGCGGATCTGTGCTTCCCGAGGAAGACAGAGGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGTGTATGTAAGAGCGCGCTTTTCGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATCTTACAGTGTAGGGGCGCTGAGACTTATGAATGCTGTGTAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTCGAACTCATGTCAGTACCTTCTCTCAGCACACAATTCGAAACGTCAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCAGTCTTACTTCAGAAACATCTCTTTTTCAGGCTCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTTGTGGAGCCCGGAGAGAACTCCAAAACAATCTGACGCTCTCTTTAGACATTCGAAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGTACCCA 1488

RESULT 15

US-10-394-087-26
; Sequence 26, Application US/10394087
; Publication No. US20030194734A1
; GENERAL INFORMATION:
; APPLICANT: Jatkoe, Tim
; TITLE OF INVENTION: SELECTION OF MARKERS
; FILE REFERENCE: CDS 265 US NP
; CURRENT APPLICATION NUMBER: US/10/394,087

;; CURRENT FILING DATE: 2003-03-21
;; PRIOR APPLICATION NUMBER: 60/369,790
;; PRIOR FILING DATE: 2002-03-29
;; NUMBER OF SEQ ID NOS: 100
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 26
;; LENGTH: 2816
;; TYPE: DNA
;; ORGANISM: human
US-10-394-087-26

Alignment Scores:
Pred. No.: 1,21e-276 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 16 Gaps: 0

US-09-670-568C-1 (1-448) x US-10-394-087-26 (1-2816)

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Qy      1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db      145 ATGTCCTCAGAGCAGACAGACAAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 204

Qy      21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db      205 GATTTCTCGAAGCAGCCTATATGTTTCAGTTCAGGCCCATTCAGTTGAACTTTGTGATGAA 264

Qy      41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db      265 CCATCAGAAGATGTCGGACAAACAGATTGAGATTAGCATGGAGCTGATCCGATCGAG 324

Qy      61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db      325 GACTCGGACCTTGAGTGACCCCATGTGGCCACAGTACAGAACCTTGGGGCTCTCTGACAGC 384

Qy      81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db      385 ATGGACCCAGCAGATTGAGAACGGCTCTCTGCTCCACCATGCTCCATTAACACAGACCCAGCG 444

Qy      101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db      445 CAGAACACGCTCAGCGGGCCCTCGCCCTTACGACAGCCCGCAGCTCCAGCTTCGATGCTCTC 504

Qy      121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db      505 TCTCCATCACCCTCCCTCCCAACACCCAGCTACCCAGGCCCGCCAGATTTCGACGTG 564

Qy      141 SerPheGlnGlnSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db      565 TCCTTCCAGCAGTCGAGCACCGCCCAAGTCGGCCACCTGGAGGTATTCACCTGAACTGAAG 624

Qy      161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db      625 AAACCTACTGCCAAATTCGAAGACATGCCCATCCAGATCAAGGTGATGACCCCACT 684

Qy      181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db      685 CCTCAGGAGCTGTATTCGGGCCATGCTGTCTACAAAAAAGCTGAGCAGCTCAGCGAG 744

Qy      201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db      745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACAGGGGACAGATTGCC 804

Qy      221 ProProSerHisLeuIleArgValIleGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db      805 CCTCCTAGTCATTTGATTCGAGTAGAGGGGAACAGCCATGCCCCAGTATGTAGAAGATCCC 864

Qy      241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db      865 ATCAGGAAGACAGAGTGTGTGTACCTTATGAGCCACCCAGGTTGGCAGCTGAATTC 924
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Qy      261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db      925 ACACACAGTCTTTGTACAATTTCAATGTGTAAACAGCAGTGTGTGGAGGGATGAACCGCGT 984

Qy      281 ProIleIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db      985 CCAATTTTAAATCAATTTGTTACTCTGGAAACACAGAGATGGGCAAGTCTTGGGCCGACGCTGC 1044

Qy      301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db      1045 TTTGAGGCCCGGATCTGTCTTCCAGGAAGACAGAGGAGCGGATGAAGATAGCATC 1104

Qy      321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db      1105 AGAAAGCAGCAAGTTTTCGGACAGTACAAAGAACCGTGTACGAGCGCCCGTTTCGT 1164

Qy      341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db      1165 CAGAACACACATGGTATCCAGATGATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224

Qy      361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db      1225 CTGTTATCTTACTTACAGTGAGGGSCCGTGAGACTTATGAAATGCTGTTGAAGATCAAGAG 1284

Qy      381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db      1285 TCCCTGGAACCTCATGCACTACCTTCTCTCAGCACACAATTTGAAACGTTACAGGCAACGCAA 1344

Qy      401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db      1345 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAACATCTCTCTTTCAGCTGCTTCAGGAATGAG 1404

Qy      421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db      1405 CTTGTGGAGCCCCGGAGAGAACTCCAAAACAATCTGACGTCTTCTTTAGACATTTCCAAG 1464

Qy      441 ProProAsnArgSerValTyrPro 448
Db      1465 CCCCCAAACCGATCAGTGTACCCA 1488
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Search completed: October 3, 2005, 06:22:31
Job time : 971 secs

Query Match 100.0%; Score 2816; DB 9; Length 2816; Best Local Similarity 100.0%; Pred. No. 0; Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	TCGTTGATATCAAGACAGTTGAAGGAATGAATTTTGAACCTTCAGGTGTGCCACCTT	60						
DB	1	TCGTTGATATCAAGACAGTTGAAGGAATGAATTTTGAACCTTCAGGTGTGCCACCTT	60						
QY	61	ACAGTACTGCGCTGACCTTACATTCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG	120						
DB	61	ACAGTACTGCGCTGACCTTACATTCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG	120						
QY	121	AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACACAGAAATGAATTCCTCAGT	180						
DB	121	AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACACAGAAATGAATTCCTCAGT	180						
QY	181	CCAGAGGTTTCCAGCATATCTGGGATTTCTGGAACAGCCTATATGTTCAAGTTCAGCCC	240						
DB	181	CCAGAGGTTTCCAGCATATCTGGGATTTCTGGAACAGCCTATATGTTCAAGTTCAGCCC	240						
QY	241	ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGGACAAACAAAGATTGAGATT	300						
DB	241	ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGGACAAACAAAGATTGAGATT	300						
QY	301	AGCATGGACTGTATCCGCATGCGAGTCTCGACCTCGAGTGAACCCCATGTGGCCACAGTAC	360						
DB	301	AGCATGGACTGTATCCGCATGCGAGTCTCGACCTCGAGTGAACCCCATGTGGCCACAGTAC	360						
QY	361	ACGAACCTGGGCTCTGAAACAGATGGACCGACAGATTTCAGAACGGCTCTCGTCCACC	420						
DB	361	ACGAACCTGGGCTCTGAAACAGATGGACCGACAGATTTCAGAACGGCTCTCGTCCACC	420						
QY	421	AGTCCCTATTAACACAGACACGGCGAGAACAGCGTTCAGCGCGCTTCGCCCTACGCACAG	480						
DB	421	AGTCCCTATTAACACAGACACGGCGAGAACAGCGTTCAGCGCGCTTCGCCCTACGCACAG	480						
QY	481	CCAGCTCCACCTTCGATGCTCTCTCCATCACCCGCCATCCCTCCAAACCCGACTAC	540						
DB	481	CCAGCTCCACCTTCGATGCTCTCTCCATCACCCGCCATCCCTCCAAACCCGACTAC	540						
QY	541	CCAGGCCCCGACAGTTTCGACGTGCTCTTCAGCAGTCGAGCACCGCCAGTCGGCCACC	600						
DB	541	CCAGGCCCCGACAGTTTCGACGTGCTCTTCAGCAGTCGAGCACCGCCAGTCGGCCACC	600						
QY	601	TGACCTATTTCACCTGAATGAAGAAATCTACTGCGCAAAATTCGAAAGACATGCCCCATC	660						
DB	601	TGACCTATTTCACCTGAATGAAGAAATCTACTGCGCAAAATTCGAAAGACATGCCCCATC	660						
QY	661	CAGATCAAGGTGATGACCCCACTCTCAGGGAGCTGTTATCCGCCCATGCTGTCTAC	720						
DB	661	CAGATCAAGGTGATGACCCCACTCTCAGGGAGCTGTTATCCGCCCATGCTGTCTAC	720						
QY	721	AAAAAGCTGAGCAGCTCAGGAGTGGTGAAGCGTGGCCCAACCATGAGCTGAGCCGT	780						
DB	721	AAAAAGCTGAGCAGCTCAGGAGTGGTGAAGCGTGGCCCAACCATGAGCTGAGCCGT	780						
QY	781	GAATTCACAGGGAACAGATTGCGCTCTCTAGTCAATTTGATTTCGAGTAGAGGGAACAGC	840						
DB	781	GAATTCACAGGGAACAGATTGCGCTCTCTAGTCAATTTGATTTCGAGTAGAGGGAACAGC	840						
QY	841	CATGCCAGTATGTAGAAGATCCCATCACAGGAAGACAGAGTGTGTGTAACCTTATGAG	900						
DB	841	CATGCCAGTATGTAGAAGATCCCATCACAGGAAGACAGAGTGTGTGTAACCTTATGAG	900						
QY	901	CCACCCAGGTTGGCACTGAATTCAGACAGTCTTGTACAAATTCATGTGTAACACAGT	960						
DB	901	CCACCCAGGTTGGCACTGAATTCAGACAGTCTTGTACAAATTCATGTGTAACACAGT	960						
QY	961	TGTGTTGGAGGGATGAACCGCGCTCCAAATTTTAAATCAATTTTACTCTGGAACCCAGAT	1020						
DB	961	TGTGTTGGAGGGATGAACCGCGCTCCAAATTTTAAATCAATTTTACTCTGGAACCCAGAT	1020						
QY	1021	GGGCAAGTCTCTGGGCGGACGCTGCTTTTGAGGCCCGGATCTGTGCTTGGCCAGGAGAGAC	1080						
DB	1021	GGGCAAGTCTCTGGGCGGACGCTGCTTTTGAGGCCCGGATCTGTGCTTGGCCAGGAGAGAC	1080						
QY	1081	AGGAAGGCGGATGAAGATAGCATCAGAAGCAGCAAGTTTCGGACAGTACAAGAACGCT	1140						
DB	1081	AGGAAGGCGGATGAAGATAGCATCAGAAGCAGCAAGTTTCGGACAGTACAAGAACGCT	1140						
QY	1141	GATGTTACGAAGCGCCGCTTTCGTGAGAACACACATGTTATCCAGATGACATCCATCAAG	1200						
DB	1141	GATGTTACGAAGCGCCGCTTTCGTGAGAACACACATGTTATCCAGATGACATCCATCAAG	1200						
QY	1201	AAACGAAGATCCCGAGATGAATGTTTATCTTACAGTGAAGGCGCGTGAGACTTAT	1260						
DB	1201	AAACGAAGATCCCGAGATGAATGTTTATCTTACAGTGAAGGCGCGTGAGACTTAT	1260						
QY	1261	GAATGCTGTTCAAGATCAAGAGTCCCTGGAACCTATGCACTGCTCTCTCAGCACACA	1320						
DB	1261	GAATGCTGTTCAAGATCAAGAGTCCCTGGAACCTATGCACTGCTCTCTCAGCACACA	1320						
QY	1321	ATTGAAACGTTACAGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	1380						
DB	1321	ATTGAAACGTTACAGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	1380						
QY	1381	CTTTGAGCTGCTTCAGGAATGAGCTTGTGAGAGCCCGGAGAGAGAACTCCAAAACATCT	1440						
DB	1381	CTTTGAGCTGCTTCAGGAATGAGCTTGTGAGAGCCCGGAGAGAGAACTCCAAAACATCT	1440						
QY	1441	GACGCTCTCTTTAGACATTCGAAAGCCCAACCCAGTCACTGCTACCCATAGAGCCCTATC	1500						
DB	1441	GACGCTCTCTTTAGACATTCGAAAGCCCAACCCAGTCACTGCTACCCATAGAGCCCTATC	1500						
QY	1501	TCATATTTTAAAGTGTGTGTTGTTTCCATGTATATGTGATGTGTGTGTGTGTA	1560						
DB	1501	TCATATTTTAAAGTGTGTGTTGTTTCCATGTATATGTGATGTGTGTGTGTGTA	1560						
QY	1561	TGTGTGTGTGTGTATCTAGCCCTCATAAACAGACATTTGAAGACACTTTGGCTCAGAGA	1620						
DB	1561	TGTGTGTGTGTGTATCTAGCCCTCATAAACAGACATTTGAAGACACTTTGGCTCAGAGA	1620						
QY	1621	CCCAACTGCTCAAGGCAACAAAGCCACTAGTCAGAGAACTCTTTTGAAGGAGCTCAAACT	1680						
DB	1621	CCCAACTGCTCAAGGCAACAAAGCCACTAGTCAGAGAACTCTTTTGAAGGAGCTCAAACT	1680						
QY	1681	TTACAAGAAAGGATGTTTCTGAGATTTGATCTTTAGACCGGCCATTTGGTGGGTGAG	1740						
DB	1681	TTACAAGAAAGGATGTTTCTGAGATTTGATCTTTAGACCGGCCATTTGGTGGGTGAG	1740						
QY	1741	GAACCACTGTGTTGCTGTGAGCTTTCTGAGATTTGATCTTTAGACCGGCCATTTGGTGGG	1800						
DB	1741	GAACCACTGTGTTGCTGTGAGCTTTCTGAGATTTGATCTTTAGACCGGCCATTTGGTGGG	1800						
QY	1801	GAAGGGGCTTAAAGATGTTTATGGAACCCCTTTCTGCTCTCTCTGTTGTTTCTTAA	1860						
DB	1801	GAAGGGGCTTAAAGATGTTTATGGAACCCCTTTCTGCTCTCTCTGTTGTTTCTTAA	1860						
QY	1861	AATTCAAGGGAAGCTTTTGAGCAGGTCTCAAACTTAAAGATGCTTTTTTAAGAAAGGAG	1920						
DB	1861	AATTCAAGGGAAGCTTTTGAGCAGGTCTCAAACTTAAAGATGCTTTTTTAAGAAAGGAG	1920						
QY	1921	AAAAAGTTGTTTATGCTGTGATTAAGTNAAGTCTGAGTCTGAGACACTCAGTCAGA	1980						
DB	1921	AAAAAGTTGTTTATGCTGTGATTAAGTNAAGTCTGAGTCTGAGACACTCAGTCAGA	1980						
QY	1981	CCCTTTTAAATGCTGCTCATGTAATTAATTTGCAAGTAGTAAGAAACCAAGGCTCAAGTG	2040						
DB	1981	CCCTTTTAAATGCTGCTCATGTAATTAATTTGCAAGTAGTAAGAAACCAAGGCTCAAGTG	2040						
QY	2041	TACTGCTGGGAGCGAGGTGATCATTAACAAAGTAATCAACTTTGTTGGGTGGAGATTC	2100						
DB	2041	TACTGCTGGGAGCGAGGTGATCATTAACAAAGTAATCAACTTTGTTGGGTGGAGATTC	2100						
QY	2101	TTTGTGAGAACTTGATTTTGTGCTCTCCCTCATGTGTAGGTAGAACATTTCTTAA	2160						
DB	2101	TTTGTGAGAACTTGATTTTGTGCTCTCCCTCATGTGTAGGTAGAACATTTCTTAA	2160						

Db 2101 TTGTGGAAGACTTGCATTAATTTGTGCTCTCCCTCATGTAGGTAGAACATTTCTTAAT 2160
Qy GCTGTGACCTGCTCTGCCACTGTATGCTTGGCATCTGTATGCTTAAAGTTTTTCTTGTGA 2220
Db 2161 GCTGTGACCTGCTCTGCCACTGTATGCTTGGCATCTGTATGCTTAAAGTTTTTCTTGTGA 2220
Qy 2221 CATGAACCCCTGGAGACCTTACTACAAAGAACTGTTGTTTGGCCCCCATAGCAGGTGAA 2280
Db 2221 CATGAACCCCTGGAGACCTTACTACAAAGAACTGTTGTTTGGCCCCCATAGCAGGTGAA 2280
Qy 2281 CTGATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTGCCCCCTTAGGTAGT 2340
Db 2281 CTGATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTGCCCCCTTAGGTAGT 2340
Qy 2341 TGTTTACCATTAATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAATCTGTGATT 2400
Db 2341 TGTTTACCATTAATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAATCTGTGATT 2400
Qy 2401 AATTTGCTTAATTAGAGCTTCTATCCCTCAAGCCTACCTACATAAAACCCAGCCATATTA 2460
Db 2401 AATTTGCTTAATTAGAGCTTCTATCCCTCAAGCCTACCTACATAAAACCCAGCCATATTA 2460
Qy 2461 CTGATACCTGTCAGTGAATTTAGCAGAGACTTACGTTTGTAGTAAGTGAATCCAAAGC 2520
Db 2461 CTGATACCTGTCAGTGAATTTAGCAGAGACTTACGTTTGTAGTAAGTGAATCCAAAGC 2520
Qy 2521 AGAGCTGTTAAATCAGACCTCTGGACTGGAAATTTAAAGTTGAAAGGGTAGACTACTT 2580
Db 2521 AGAGCTGTTAAATCAGACCTCTGGACTGGAAATTTAAAGTTGAAAGGGTAGACTACTT 2580
Qy 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTGTTTCTTTTCCATTTTAAACACATATT 2640
Db 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTGTTTCTTTTCCATTTTAAACACATATT 2640
Qy 2641 TTAAGATAATAGCATAAAGACTTTTAAAGTTTCTCCCTCCATCTTCCACACCCAGT 2700
Db 2641 TTAAGATAATAGCATAAAGACTTTTAAAGTTTCTCCCTCCATCTTCCACACCCAGT 2700
Qy 2701 CACCAGCACTGTATTTCTGTGCACCAAGACAAATGATTTCTGTTATTGAGGCTGTGCTT 2760
Db 2701 CACCAGCACTGTATTTCTGTGCACCAAGACAAATGATTTCTGTTATTGAGGCTGTGCTT 2760
Qy 2761 TTGTGGATGTGATTTTAAATTTCAATAAACTTTTGCATCTGTTTAAAGAAA 2816
Db 2761 TTGTGGATGTGATTTTAAATTTCAATAAACTTTTGCATCTGTTTAAAGAAA 2816

RESULT 2

US-09-850-716A-333
; Sequence 333, Application US/09850716A
; Patent No. US20020115139A1
; GENERAL INFORMATION:
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Retter, Marc W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C15
; CURRENT APPLICATION NUMBER: US/09/850.716A
; CURRENT FILING DATE: 2001-05-07
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-850-716A-333

Query Match 100.0%; Score 2816; DB 9; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TCGTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60

Db 1 TCGTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGCTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGCTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAAGTTTATTACCGATCCACATGCCAGAGCACACAGACAAATGAATTTCTCAGT 180
Db 121 AAAGAAAGTTTATTACCGATCCACATGCCAGAGCACACAGACAAATGAATTTCTCAGT 180
Qy 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGGAAACAGCTTATGTTGAGTTTCCAGCCC 240
Db 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGGAAACAGCTTATGTTGAGTTTCCAGCCC 240
Qy 241 ATTGACTTGAACCTTTGTTGGATGAACCATCAGAGATGGTGGCAAAACAGATTTGAGATT 300
Db 241 ATTGACTTGAACCTTTGTTGGATGAACCATCAGAGATGGTGGCAAAACAGATTTGAGATT 300
Qy 301 AGCATGGACTGTATCCGCATGCAAGGACTCGGACTGAGTGAACCCCATGTGGCCACAGTAC 360
Db 301 AGCATGGACTGTATCCGCATGCAAGGACTCGGACTGAGTGAACCCCATGTGGCCACAGTAC 360
Qy 361 ACAGAACTGGGGTCTCTGAAACAGCATGGACAGATTCAGAACCGGCTCTCGTCCACACC 420
Db 361 ACAGAACTGGGGTCTCTGAAACAGCATGGACAGATTCAGAACCGGCTCTCGTCCACACC 420
Qy 421 AGTCCCTATTAACACAGACCCAGCGCAGAACAGGGTCAAGGCGCCCTCGCCCTACGCACAG 480
Db 421 AGTCCCTATTAACACAGACCCAGCGCAGAACAGGGTCAAGGCGCCCTCGCCCTACGCACAG 480
Qy 481 CCAGACTCCACCTTCGATGCTCTCTCCATCACCCTCCATCCCTCCCAACACCGACTAC 540
Db 481 CCAGACTCCACCTTCGATGCTCTCTCCATCACCCTCCATCCCTCCCAACACCGACTAC 540
Qy 541 CCAGGCGCGCACAGTTTCGACGTGCTTCCAGCAGTCGAGCACCGGCAAGTGGCGCCACC 600
Db 541 CCAGGCGCGCACAGTTTCGACGTGCTTCCAGCAGTCGAGCACCGGCAAGTGGCGCCACC 600
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Db 601 TGGACGTATTTCCACTGNACTGAAGAACTACTGCCCCAAATTCGAAGACATGCCCCATC 660
Qy 661 CAGATCAAGGTGATGACCCCACTCTCCAGGAGCTGTATCCCGGCGCATGCTGTCTAC 720
Db 661 CAGATCAAGGTGATGACCCCACTCTCCAGGAGCTGTATCCCGGCGCATGCTGTCTAC 720
Qy 721 AAAAAAGCTGAGCACGTCACGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGGT 780
Db 721 AAAAAAGCTGAGCACGTCACGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGGT 780
Qy 781 GAATTTCAACGAGGACAGATTTGCCCTCTAGTCAATTTGATTCGAGTAGAGGGAAACAGC 840
Db 781 GAATTTCAACGAGGACAGATTTGCCCTCTAGTCAATTTGATTCGAGTAGAGGGAAACAGC 840
Qy 841 CATGCCAGTATGTAGAAGATCCATCACAAGGAGACAGAGTGTGCTGTTACCTTATGAG 900
Db 841 CATGCCAGTATGTAGAAGATCCATCACAAGGAGACAGAGTGTGCTGTTACCTTATGAG 900
Qy 901 CCACCCAGGTTGGCACTGAAATTCACGACAGTCTTGTACAAATTTTCAATGTTGTAACAGCAGT 960
Db 901 CCACCCAGGTTGGCACTGAAATTCACGACAGTCTTGTACAAATTTTCAATGTTGTAACAGCAGT 960
Qy 961 TGTGTTGGAGGATGAACCCCGCTGCAATTTTAACTATTGTTTACTCTGGAACACAGAT 1020
Db 961 TGTGTTGGAGGATGAACCCCGCTGCAATTTTAACTATTGTTTACTCTGGAACACAGAT 1020
Qy 1021 GGCAAGTCTGGCCGACCGCTGTTGAGCCCGGATCTGTGTTGCCAGGAGAGAC 1080
Db 1021 GGCAAGTCTGGCCGACCGCTGTTGAGCCCGGATCTGTGTTGCCAGGAGAGAGAC 1080
Qy 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGTACAAAGACCGT 1140
Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGTACAAAGACCGT 1140

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QY 61 ACAGTACTGCGCTGACCTTACATCCAGCTTTCGTAGAAACCCAGCTCATTTCTCTTGG 120
Db 61 ACAGTACTGCGCTGACCTTACATCCAGCTTTCGTAGAAACCCAGCTCATTTCTCTTGG 120
QY 121 AAAGAAAGTTATTTACCGATCCACCATGTCCAGAGACACACAGACAAATGAATTTCTCAGT 180
Db 121 AAAGAAAGTTATTTACCGATCCACCATGTCCAGAGACACACAGACAAATGAATTTCTCAGT 180
QY 181 CCAGAGTTTCCAGCATATCTGGGATTTCTGGAAACAGCTTATATGTTTCAGTTACGCC 240
Db 181 CCAGAGTTTCCAGCATATCTGGGATTTCTGGAAACAGCTTATATGTTTCAGTTACGCC 240
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Db 481 CCCAGCTCCACCTTTCGATCTCTCTCCATCACCCGCCATCCCTCCACACCGACTAC 540
QY 541 CCAGGCCCGACAGTTTCGAGTGTCTTCCAGAGTCGAGCACCGGCAAGTCGGCCACC 600
Db 541 CCAGGCCCGACAGTTTCGAGTGTCTTCCAGAGTCGAGCACCGGCAAGTCGGCCACC 600
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Db 661 CAGATCAAGGTGATGACCCACCTTCTCAGGAGCTGTATCCGCGCATGCCCTGTCTAC 720
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Db 781 GAATTCACGAGGACAGATTGCCCTTCTAGTCAATTTGATTCAGTAGAGGGGAAACAGC 840
QY 841 CATGCCAGTATGTAGAAGATCCCATCACAGAAACAGAGTGTGCTGCTACCTTATGAG 900
Db 841 CATGCCAGTATGTAGAAGATCCCATCACAGAAACAGAGTGTGCTGCTACCTTATGAG 900
QY 901 CCACCCAGGTGTCAGTAAATTCACGACAGTCTTGTACAAATTTTCATGTGTAAACAGAGT 960
Db 901 CCACCCAGGTGTCAGTAAATTCACGACAGTCTTGTACAAATTTTCATGTGTAAACAGAGT 960
QY 961 TGTGTTGGAGGATGAACCGCGTCCAAATTTTAAATCAATTTTACTCTGGAACACAGAT 1020
Db 961 TGTGTTGGAGGATGAACCGCGTCCAAATTTTAAATCAATTTTACTCTGGAACACAGAT 1020
QY 1021 GGGCAAGTCTGGGCCAGCGCTGTTTGGAGCCCGGATCTGTGCTCCCGAGGAAGAGAC 1080
Db 1021 GGGCAAGTCTGGGCCAGCGCTGTTTGGAGCCCGGATCTGTGCTCCCGAGGAAGAGAC 1080
QY 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTTCGGACAGTACAAAGAACGGT 1140

Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGT 1140
QY 1141 GATGGTACGAAGCCCGCTTTCGTAGAAACACATGGTATCCAGATCAGATCCCATCAAG 1200
Db 1141 GATGGTACGAAGCCCGCTTTCGTAGAAACACATGGTATCCAGATCAGATCCCATCAAG 1200
QY 1201 AAACGAAGATCCCGAGATGATGAACCTGTATACCTTACCAGTGAGGGCCGTGAGACTTAT 1260
Db 1201 AAACGAAGATCCCGAGATGATGAACCTGTATACCTTACCAGTGAGGGCCGTGAGACTTAT 1260
QY 1261 GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACCTCATGCAAGTACCTTCTCAGCACACA 1320
Db 1261 GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACCTCATGCAAGTACCTTCTCAGCACACA 1320
QY 1321 ATTGAAACGTACAGCAACAGCAACAGAGCAGCAGCAGCACTTACTTTCAGAAACATCTC 1380
Db 1321 ATTGAAACGTACAGCAACAGCAACAGAGCAGCAGCAGCACTTACTTTCAGAAACATCTC 1380
QY 1381 CTTTCAGCCTGCTTTCAGGAATGAGCTTGTGAGCCCGGAGAGAAACCTCCAAAACAATCT 1440
Db 1381 CTTTCAGCCTGCTTTCAGGAATGAGCTTGTGAGCCCGGAGAGAAACCTCCAAAACAATCT 1440
QY 1441 GACGCTCTTTCAGCAATTCAGAGCCCCCAAAACCGATCAGTGTACCCATAGAGCCCTATC 1500
Db 1441 GACGCTCTTTCAGCAATTCAGAGCCCCCAAAACCGATCAGTGTACCCATAGAGCCCTATC 1500
QY 1501 TCTATATTTTAAAGTGTGTGTGTATTTCCATGTGTATATGTCAGTGTGTGTGTGTA 1560
Db 1501 TCTATATTTTAAAGTGTGTGTGTATTTCCATGTGTATATGTCAGTGTGTGTGTGTA 1560
QY 1561 TGTGTGTGCGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACATTTGGCTCAGAGA 1620
Db 1561 TGTGTGTGCGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACATTTGGCTCAGAGA 1620
QY 1621 CCNAACGCTCAAAGGACAAAAGCCACTAGTGAGAGAACTTTTGAAGGGAACCTCAAACCT 1680
Db 1621 CCNAACGCTCAAAGGACAAAAGCCACTAGTGAGAGAACTTTTGAAGGGAACCTCAAACCT 1680
QY 1681 TTAACAAGAAAGGATGTTTCTGCGATTTTGTATCTTAGACCGGCACTTGGTGGGTGAG 1740
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QY 1741 GAACCACTGTGTTTGTCTGTGAGCTTCTGTGTTTCTCGGAGGAGGGGTCAAGTGGG 1800
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QY 1801 GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTTCTGTCTCTCTCTCTCTCTAA 1860
Db 1801 GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTTCTGTCTCTCTCTCTCTCTAA 1860
QY 1861 AATTTCAGGGAAGCTTTTCAGCAGGTCCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920
Db 1861 AATTTCAGGGAAGCTTTTCAGCAGGTCCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920
QY 1921 AAAAAAGTTGTTATTTGTCTGTCATTAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCA 1980
Db 1921 AAAAAAGTTGTTATTTGTCTGTCATTAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCA 1980
QY 1981 CCCTTTTAAATGCTGTCATGTAATAATTTGCAAGTATTAAGAAACGAAGGTGTCAAGTG 2040
Db 1981 CCCTTTTAAATGCTGTCATGTAATAATTTGCAAGTATTAAGAAACGAAGGTGTCAAGTG 2040
QY 2041 TACTGTGGGACGAGGTCATTTACCAAAAGTAACTTGTGGGTGGAGAGTTC 2100
Db 2041 TACTGTGGGACGAGGTCATTTACCAAAAGTAACTTGTGGGTGGAGAGTTC 2100
QY 2101 TTTGTGAGAACTTTCGCAATTTTGTGCTCCCTCATGTGTAGTAGAAACATTTCTTAAT 2160
Db 2101 TTTGTGAGAACTTTCGCAATTTTGTGCTCCCTCATGTGTAGTAGAAACATTTCTTAAT 2160
QY 2161 GCTGTGTACTGCTCTGCGCACTGTATGTTGGCATCTGTTATGCTAAAGTTTTTCTTGTA 2220

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Db 2161 GCTGTGTACCTGCTGCGCACTGTATGTTGGCATCTGTTATGCTAAAGTTTTTCTTGTA 2220
QY 2221 CATGAACCCCTGGAAGACCTACTACAAAATACTGTTGTTGGCCCCCACTAGCAGTGAA 2280
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QY 2281 CTCATTTTGTGCTTTTAAATAGAAGACAAATCCACCCCACTAATATTGCGCTTACGTAGT 2340
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QY 2341 TGTTTACCATTATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCAAAAATCTGTGATT 2400
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QY 2401 AATTTGCTTAAATAGAGCTTCTATCCTCAAGCTTACCTACCATAAAACCAGCCATATTA 2460
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QY 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTTTCTTTCCATTTTAAAAACATATT 2640
Db 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTTTCTTTCCATTTTAAAAACATATT 2640
QY 2641 TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCCTCCATCTTCCACACCCAGT 2700
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QY 2701 CACCAGCACTGATTTTCTGTCAAAAGCAATGATTTCTGTTATAGGCTGTGCTT 2760
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QY 2761 TTGTGCACTGTGATTTTAAATTTTCAATAAATTTTGCATCTTGGTTTAAAGAAA 2816
Db 2761 TTGTGCACTGTGATTTTAAATTTTCAATAAATTTTGCATCTTGGTTTAAAGAAA 2816
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RESULT 4

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US-10-007-700-333
; Sequence 333, Application US/10007700
; Publication No. US20030064947A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Li, Samuel X.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Fanger, Neil
; APPLICANT: Retter, Marc W.
; APPLICANT: Durham, Margarita
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Peckman, David W.
; APPLICANT: Cai, Feng
; APPLICANT: Foy, Teresa M.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C17
; CURRENT APPLICATION NUMBER: US/10/007,700
; CURRENT FILING DATE: 2001-11-30
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 333
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; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-007-700-333

Query Match 100.0%; Score 2816; DB 14; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGTTGATATCAAGACAGTTCGAAGAAATGAATTTTGAACCTTCAACGGTGTGCCACCT 60
Db 1 TCGTTGATATCAAGACAGTTCGAAGAAATGAATTTTGAACCTTCAACGGTGTGCCACCT 60
QY 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
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QY 241 ATTGACTTTGAACTTTGTGGATGAACCATCAGAAGATGTTGCGCAACAAAGATTGAGATT 300
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Db 301 AGCATGGACTGATCCGATGTCAGGACTCGGACCTGAGTGAACCCATGTTGGCCACAGTAC 360
QY 361 AGCAACCTGGGCTCTCTGAACAGCATGACAGCAGATTCAGAAACGGCTCTCGTCCACC 420
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QY 421 AGTCCCTATAACACAGACCCAGCGAGAACAGCGTCAACGGCGCTTCGCCCTACGCACAG 480
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Db 481 CCCAGTCCACCTTGCATGCTCTCTCCATCAGCGGCCATCCCTTCCAAACACCGACTAC 540
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Db 781 GAATTCACAGGGGACAGATTGCCCTCTCTAGTCAATTTGATTTCGAGTAGGGGAAACAGC 840
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961 QY TGTGTTGGAGGATGAACCCCGCTCCAAATTTAATCAATGTTACTCTGGAAACAGAGAT 1020
961 Db TGTGTTGGAGGATGAACCCCGCTCCAAATTTAATCAATGTTACTCTGGAAACAGAGAT 1020
1021 QY GGGCAAGTCTTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGGCCCGAGGAGAC 1080
1021 Db GGGCAAGTCTTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTGGCCCGAGGAGAC 1080
1081 QY AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAAACGGT 1140
1081 Db AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAAACGGT 1140
1141 QY GATGGTACGAAGCCCGCTTTGCTCAGAACACACATGGTATCCAGATGACATCAAG 1200
1141 Db GATGGTACGAAGCCCGCTTTGCTCAGAACACACATGGTATCCAGATGACATCAAG 1200
1201 QY AAGCGAGATCCCGAGATGATGAACTGTTATCTTACAGGTGAGGGCCGTGAGACTTAT 1260
1201 Db AAGCGAGATCCCGAGATGATGAACTGTTATCTTACAGGTGAGGGCCGTGAGACTTAT 1260
1261 QY GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACTCATGTCAGTACCTTCTTCAGCACACA 1320
1261 Db GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACTCATGTCAGTACCTTCTTCAGCACACA 1320
1321 QY ATTGAAACGTACAGGCAACAGCAACAGCAGCAGCACACAGCACTTACTTCAGAAACATCTC 1380
1321 Db ATTGAAACGTACAGGCAACAGCAACAGCAGCAGCACACAGCACTTACTTCAGAAACATCTC 1380
1381 QY CTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCAAACATCT 1440
1381 Db CTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCAAACATCT 1440
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1441 Db GACGTCTCTTTAGACATTCGAAGCCCAACCGATCAGTGATCCCATAGAGCCCTATC 1500
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1501 Db TCTATATTTAAGTGTGTGTGTGTAATTCATGTGTATATGTGAGTGTGTGTGTGTA 1560
1561 QY TGTGTGTGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTTGGCTCAGAGA 1620
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1801 QY GAAAGGGGCAATTAAGATGTTTATTTGAACCCCTTTCTGCTCTCTGTTGTTTCTAA 1860
1801 Db GAAAGGGGCAATTAAGATGTTTATTTGAACCCCTTTCTGCTCTCTGTTGTTTCTAA 1860
1861 QY AATTACAGGGAAGCTTTTGGAGAGGCTCAAACCTTAAGATGCTTTTAAAGAAAGGAG 1920
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1981 Db CCCTTTTAAATGCTGCTCATGTAATAATTCAGAGTAGTAAGAAACCAAGGTGCAAGTG 2040
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RESULT 5

US-10-117-982-333

; Sequence 333, Application US/10117982

; Publication No. US20030138438A1

; GENERAL INFORMATION:

; APPLICANT: Foy, Teresa M.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darick

; APPLICANT: Watanabe, Yoshihiro

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Mericle, Barbara

; APPLICANT: Spies, Gregory A.

; APPLICANT: Fan, Liqun

; APPLICANT: Wang, Tongtong

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C18

; CURRENT APPLICATION NUMBER: US/10/117,982

; CURRENT FILING DATE: 2002-04-05

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2101 Db TTTGTGAGAACTTGCATTAATTTGTGCTCCCTCCCTCATGTGTAGTAGAACAATTTCTTAAT 2160
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2161 Db GCTGTGTACCTGCTCTGCCACTGTATGTTGGCATCTGTTATGCTAAAGTTTTTCTTGTA 2220
2221 QY CATGAAACCCCTGGAAGACCTTACTACAAAAAATCTGTTGTTGGCCCCCATAGCAGGTGAA 2280
2221 Db CATGAAACCCCTGGAAGACCTTACTACAAAAAATCTGTTGTTGGCCCCCATAGCAGGTGAA 2280
2281 QY CTCAATTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAAATATTGCCCTTACGTAGT 2340
2281 Db CTCAATTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAAATATTGCCCTTACGTAGT 2340
2341 QY TGTTTACCATTTTCAAAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2341 Db TGTTTACCATTTTCAAAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2401 QY AATTGCTTAAATAGAGCTTCTATCCCTCAAGCCTACCTACCATAAAACCGCCATATTA 2460
2401 Db AATTGCTTAAATAGAGCTTCTATCCCTCAAGCCTACCTACCATAAAACCGCCATATTA 2460
2461 QY CTGATCTGTTCAAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 2520
2461 Db CTGATCTGTTCAAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 2520
2521 QY AGACGTGTTTAAATTCAGCCTCTGGAATGGAATTTAAAGATTTGAAAGGTGAGACTACTT 2580
2521 Db AGACGTGTTTAAATTCAGCCTCTGGAATGGAATTTAAAGATTTGAAAGGTGAGACTACTT 2580
2581 QY TTCTTTTCTTACTCAAAAGTTTGAAGAATCTCTGTTTCTTCCATTTTAAAAACATATT 2640
2581 Db TTCTTTTCTTACTCAAAAGTTTGAAGAATCTCTGTTTCTTCCATTTTAAAAACATATT 2640
2641 QY TTAAGATAATAGCATAAAGACTTTTAAAGTTTCTCCCTCCCTCCATCTTCCACACCCAGT 2700
2641 Db TTAAGATAATAGCATAAAGACTTTTAAAGTTTCTCCCTCCCTCCATCTTCCACACCCAGT 2700
2701 QY CACCAGCAGTATTTTCTGTCCAGACAATGATTTCTGTTATTTAGAGCTGTGCTT 2760
2701 Db CACCAGCAGTATTTTCTGTCCAGACAATGATTTCTGTTATTTAGAGCTGTGCTT 2760
2761 QY TTGTGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTGGTTTAAAGAAA 2816
2761 Db TTGTGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTGGTTTAAAGAAA 2816

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; NUMBER OF SEQ ID NOS: 484
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-117-982-333

Query Match      100.0%; Score 2816; DB 15; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCGTTGATATCAAGACAGATTGAAGGAAATGAATTTTGAACATTCACGGTGTGCCACCT 60
DB 1 TCGTTGATATCAAGACAGATTGAAGGAAATGAATTTTGAACATTCACGGTGTGCCACCT 60

QY 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
DB 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120

QY 121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACACAGACAAATGAATTCCTCAGT 180
DB 121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACACAGACAAATGAATTCCTCAGT 180

QY 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGAAACAGCCTATATGTTTCAGTTCAGCCC 240
DB 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGAAACAGCCTATATGTTTCAGTTCAGCCC 240

QY 241 ATTGACTTGAACCTTTGTGGATGAACCATGAGAGATGGTGGGACAAACAAGATTGAGATT 300
DB 241 ATTGACTTGAACCTTTGTGGATGAACCATGAGAGATGGTGGGACAAACAAGATTGAGATT 300

QY 301 AGCATGAGCTGTATCCGATGCGAGCTCGGACTCGAGTGCACCCCATGTGSCCAGAGTAC 360
DB 301 AGCATGAGCTGTATCCGATGCGAGCTCGGACTCGAGTGCACCCCATGTGSCCAGAGTAC 360

QY 361 ACAGGCTCGGGCTCTGTAAACAGATGAGACAGAGATTGAGAAACGGCTCTCTGTCAC 420
DB 361 ACAGGCTCGGGCTCTGTAAACAGATGAGACAGAGATTGAGAAACGGCTCTCTGTCAC 420

QY 421 AGTCCCTATTAACAGACACGCGCAGAACAGGTGACGGGGCTCGCCCTAGGCACAG 480
DB 421 AGTCCCTATTAACAGACACGCGCAGAACAGGTGACGGGGCTCGCCCTAGGCACAG 480

QY 481 CCAGGCTCCACCTTCGATGCTCTCTCATCCGCGCCATCCCTCCACACCGACTAC 540
DB 481 CCAGGCTCCACCTTCGATGCTCTCTCATCCGCGCCATCCCTCCACACCGACTAC 540

QY 541 CCAGGCGCCGACAGTTTCGACGTTCTCTCCAGCAGTCGAGCACCGCCAAAGTCGGCCACC 600
DB 541 CCAGGCGCCGACAGTTTCGACGTTCTCTCCAGCAGTCGAGCACCGCCAAAGTCGGCCACC 600

QY 601 TGAACGTATTCACAGTAAGTAAGAACTCTACTGCCAAATTTGAAAGACATGCCCATC 660
DB 601 TGAACGTATTCACAGTAAGTAAGAACTCTACTGCCAAATTTGAAAGACATGCCCATC 660

QY 661 CAGATCAAGGTGATGACCCACCTCTCAGGAGCTGTTATCGCGCATGCTCTGCTAC 720
DB 661 CAGATCAAGGTGATGACCCACCTCTCAGGAGCTGTTATCGCGCATGCTCTGCTAC 720

QY 721 AAAAAAGCTGAGCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
DB 721 AAAAAAGCTGAGCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780

QY 781 GAATTCNAACAGGAGCAGATTGGCCCTCTAGTCAATTTGATTCGAGTAGAGGGGACAGC 840
DB 781 GAATTCNAACAGGAGCAGATTGGCCCTCTAGTCAATTTGATTCGAGTAGAGGGGACAGC 840

QY 841 CATGCCAGTATGTAGAAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAG 900
DB 841 CATGCCAGTATGTAGAAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAG 900

QY 901 CCACCCGAGGTGGCACTGAATTCACGACAGTCTTGTGACAAATTTTCATGTGTAAACAGCAGT 960
DB 901 CCACCCGAGGTGGCACTGAATTCACGACAGTCTTGTGACAAATTTTCATGTGTAAACAGCAGT 960

901 CCACCCGAGGTGGCACTGAATTCACGACAGTCTTGTGACAAATTTTCATGTGTAAACAGCAGT 960
961 TGTGTTGGAGGATGAACCGCGTCCAAATTTTAATCATTTGTTACTCTGGAACACAGAGAT 1020
961 TGTGTTGGAGGATGAACCGCGTCCAAATTTTAATCATTTGTTACTCTGGAACACAGAGAT 1020
1021 GGGCAAGTCTCTGGCGCAGCGCTCTTGTAGGCGCCGATCTGTCTTGGCCAGGAAGAC 1080
1021 GGGCAAGTCTCTGGCGCAGCGCTCTTGTAGGCGCCGATCTGTCTTGGCCAGGAAGAC 1080
1081 AGGAAGCGCGATGAAGATAGCATCAAGAAAGCAGCAAGTTTCGGACAGTACAAAGACCGT 1140
1081 AGGAAGCGCGATGAAGATAGCATCAAGAAAGCAGCAAGTTTCGGACAGTACAAAGACCGT 1140
1141 GATGGTACCAAGCGCCGTTTCGTGAGAACACACATGGTATCCAGATGACATCCATCAAG 1200
1141 GATGGTACCAAGCGCCGTTTCGTGAGAACACACATGGTATCCAGATGACATCCATCAAG 1200
1201 AAACGAAGATCCCCAGATGATGAATCTTATCTTACCAGTGAAGGCGCGTGAAGCTTAT 1260
1201 AAACGAAGATCCCCAGATGATGAATCTTATCTTACCAGTGAAGGCGCGTGAAGCTTAT 1260
1261 GAAATGCTTGTGAAGATCAAGAGTCCCTGGAATCATGCACTACCTTCTCAGCACACA 1320
1261 GAAATGCTTGTGAAGATCAAGAGTCCCTGGAATCATGCACTACCTTCTCAGCACACA 1320
1321 ATTGAACCTTACAGGCAACAGCAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
1321 ATTGAACCTTACAGGCAACAGCAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
1381 CTTTCAGCCTGCTTACAGGAATGAGCTTGTGGAGCCCCGGAGAGAACTCCAAACAACTCT 1440
1381 CTTTCAGCCTGCTTACAGGAATGAGCTTGTGGAGCCCCGGAGAGAACTCCAAACAACTCT 1440
1441 GAGCTCTTCTTAGACATTCAGAGCCCCCAACCGATCAGTGTACCCATAGAGCCCTATC 1500
1441 GAGCTCTTCTTAGACATTCAGAGCCCCCAACCGATCAGTGTACCCATAGAGCCCTATC 1500
1501 TCTATATTTTAAAGTGTGTGTATTTCCATGCTATATGAGTGTGTGTGTGTGTGTGTGT 1560
1501 TCTATATTTTAAAGTGTGTGTGTATTTCCATGCTATATGAGTGTGTGTGTGTGTGTGT 1560
1561 TGTGTGTGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTGGCTCAGAGA 1620
1561 TGTGTGTGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTGGCTCAGAGA 1620
1621 CCCAATGCTCAAAAGGCAAAAGCCACTAGTGAAGAACTTTTGAAGGAGACTCAAACT 1680
1621 CCCAATGCTCAAAAGGCAAAAGCCACTAGTGAAGAACTTTTGAAGGAGACTCAAACT 1680
1681 TTACAGAAAGGATGTTTTCAGATTTTGTATCTTAGACCGGCATTTGGTGGGTGAG 1740
1681 TTACAGAAAGGATGTTTTCAGATTTTGTATCTTAGACCGGCATTTGGTGGGTGAG 1740
1741 GAACCACTGTGTTGTCTGTGAGCTTCTGTGTTTCTGGAGGAGGGGTGAGTGGG 1800
1741 GAACCACTGTGTTGTCTGTGAGCTTCTGTGTTTCTGGAGGAGGGGTGAGTGGG 1800
1801 GAAGGGGATTTAAGATGTTTATGGAACCCCTTCTGCTTCTCTGTTGTTTCTAA 1860
1801 GAAGGGGATTTAAGATGTTTATGGAACCCCTTCTGCTTCTCTGTTGTTTCTAA 1860
1861 AATTCAAGGGAGCTTTTGAAGGAGTCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
1861 AATTCAAGGGAGCTTTTGAAGGAGTCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
1921 AAAAAAGTTGTTATGCTGTGTCATGAAGTGTAGTGTAGTGTAGTGTAGTGTAGTGTAG 1980
1921 AAAAAAGTTGTTATGCTGTGTCATGAAGTGTAGTGTAGTGTAGTGTAGTGTAGTGTAG 1980
1981 CCTTTTAAATGCTGTGTCATGAATTAATNTTGAAGTAGTGAAGAAACGAAGGTCTCAAGTG 2040
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Db 1981 CCCTTTTAACCTCGTCAATGTAATAATATGCAAGTAGTAAGAAACGAAGGTGCAAGTG 2040
Qy TACTGCTGGGAGGAGGTGATCAATACCAAAAGTAATCAAACTTTTGTGGTGGAGAGTTC 2100
Db TACTGCTGGGAGGAGGTGATCAATACCAAAAGTAATCAAACTTTTGTGGTGGAGAGTTC 2100
Qy TTTGTGAGAACTTGCAATTAATTTGTGCTCTCCCTCATGTGTAGTGAACAATTTCTTAAT 2160
Db TTTGTGAGAACTTGCAATTAATTTGTGCTCTCCCTCATGTGTAGTGAACAATTTCTTAAT 2160
Qy GCTGTGTACCTGCTGCGCACTGTAATTTGGGATCTGTTATGCTAAAGTTTTCTTTGTA 2220
Db GCTGTGTACCTGCTGCGCACTGTAATTTGGGATCTGTTATGCTAAAGTTTTCTTTGTA 2220
Qy CATGAAACCCCTGGAGACCTACTACAAAAGTGTGTTGGGCCCCCATAGCAGGTGAA 2280
Db CATGAAACCCCTGGAGACCTACTACAAAAGTGTGTTGGGCCCCCATAGCAGGTGAA 2280
Qy CTCAATTTGTGCTTTTAATAGAAAGACAAATCCACCCCGAGTAATTTGCCCTTACGTAGT 2340
Db CTCAATTTGTGCTTTTAATAGAAAGACAAATCCACCCCGAGTAATTTGCCCTTACGTAGT 2340
Qy TGTGTACCAATTAATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
Db TGTGTACCAATTAATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
Qy AATTTGCTTAATAGAGCTTCTATCCCTCAAGCCTACCTACCATATAAACAGCCATATTA 2460
Db AATTTGCTTAATAGAGCTTCTATCCCTCAAGCCTACCTACCATATAAACAGCCATATTA 2460
Qy CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTACGTTTGTAGTAAGTGAAGTCCAAAGC 2520
Db CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTACGTTTGTAGTAAGTGAAGTCCAAAGC 2520
Qy AGAGCTGTTAAATACAGACTCTCTGGACTGGAATTTAAAGATTTGAAGGGTAGACTACTT 2580
Db AGAGCTGTTAAATACAGACTCTCTGGACTGGAATTTAAAGATTTGAAGGGTAGACTACTT 2580
Qy TTTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTTTCTTTCCATTTTAAACATATT 2640
Db TTTCTTTTTTTTACTCAAAAGTTTAGAGAACTCTGTTTCTTTCCATTTTAAACATATT 2640
Qy TTAAGATAATAGCATAAAGACTTTAAAAATTTCTCCCTCCATCTTCCACACCCAGT 2700
Db TTAAGATAATAGCATAAAGACTTTAAAAATTTCTCCCTCCATCTTCCACACCCAGT 2700
Qy CACAGCACTGTATTTCTGTACCAAGAAATGATTTCTGTTTATTTAGGCTGTTGCTT 2760
Db CACAGCACTGTATTTCTGTACCAAGAAATGATTTCTGTTTATTTAGGCTGTTGCTT 2760
Qy TTCTGGATGTGATTTTAATTTTCAATAAATTTTGCATCTGTTTAAAGAA 2816
Db TTCTGGATGTGATTTTAATTTTCAATAAATTTTGCATCTGTTTAAAGAA 2816

RESULT 6

US-10-393-590-26
; Sequence 26, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human

US-10-393-590-26

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTTCAGGGTGTGCCACCT 60
Db 1 TCGTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTTCAGGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATTCAGCGCTTCGTAGAAAACCCAGCTCATTTCTTTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATTCAGCGCTTCGTAGAAAACCCAGCTCATTTCTTTGG 120
Qy 121 AAAGAAAGTTTATTTACCGATCCACATGTCCACAGACACAGACAAATGAATTCCTCAGT 180
Db 121 AAAGAAAGTTTATTTACCGATCCACATGTCCACAGACACAGACAAATGAATTCCTCAGT 180
Qy 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGGAACAGCCTATATGTTTCAGTTTCAGCCC 240
Db 181 CCAGAGGTTTTCCAGCATATCTGGGATTTTCTGGAACAGCCTATATGTTTCAGTTTCAGCCC 240
Qy 241 ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGGGACAAACAAGATTGAGATT 300
Db 241 ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGGGACAAACAAGATTGAGATT 300
Qy 301 AGCATGAGCTGTATCCGCAATGCGAGTCCGACCTGAGTCACCCCATGTGSCCAGACTAC 360
Db 301 AGCATGAGCTGTATCCGCAATGCGAGTCCGACCTGAGTCACCCCATGTGSCCAGACTAC 360
Qy 361 ACAGAACTTGGGGTCTCTGAAACAGCATGGACAGCAGATTTCAGAACGGCTCTCTCGTCCACC 420
Db 361 ACAGAACTTGGGGTCTCTGAAACAGCATGGACAGCAGATTTCAGAACGGCTCTCTCGTCCACC 420
Qy 421 AGTCCCTATAACACAGACACCGCGAGAACAGCGTTCACGGGGCTTCGCGCTACGCAAG 480
Db 421 AGTCCCTATAACACAGACACCGCGAGAACAGCGTTCACGGGGCTTCGCGCTACGCAAG 480
Qy 481 CCAGCTCCACCTTCCGATGCTCTCTCCATACCCGCTATCCCTCCAAACACCGACTAC 540
Db 481 CCAGCTCCACCTTCCGATGCTCTCTCCATACCCGCTATCCCTCCAAACACCGACTAC 540
Qy 541 CCAGGCGCGCACAGTTTTCGACGTGTCTCTCCAGCAGTTCGAGCACCGCAAGTTCGSCCACC 600
Db 541 CCAGGCGCGCACAGTTTTCGACGTGTCTCTCCAGCAGTTCGAGCACCGCAAGTTCGSCCACC 600
Qy 601 TGACAGTATTTCACTGAACTGAAGAAATCTCTAATGCAAAATTTGCAAGAGATGCCCCATC 660
Db 601 TGACAGTATTTCACTGAACTGAAGAAATCTCTAATGCAAAATTTGCAAGAGATGCCCCATC 660
Qy 661 CAGATCAAGGTGATGACCCCTCTCAGGGAGCTGTTATCCGCGCATGCGCTGTCTAC 720
Db 661 CAGATCAAGGTGATGACCCCTCTCAGGGAGCTGTTATCCGCGCATGCGCTGTCTAC 720
Qy 721 AAAAAAGCTGAGCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
Db 721 AAAAAAGCTGAGCACGTCACGGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
Qy 781 GAATTCAGAGGGAAGATTTGCCCTCTCTAGTCAATTTGATTCAGTAGAGGGGAAACAGC 840
Db 781 GAATTCAGAGGGAAGATTTGCCCTCTCTAGTCAATTTGATTCAGTAGAGGGGAAACAGC 840
Qy 841 CATGCCAGTATGTAGAAGATCCCATCAGAGGAGAGAGTGTGCTGTTACCTTATGAG 900
Db 841 CATGCCAGTATGTAGAAGATCCCATCAGAGGAGAGAGTGTGCTGTTACCTTATGAG 900
Qy 901 CCACCCAGGTGGCACTGAATTCACGACAGTCTTGTACAAATTTTCATGTTTAAACAGCAGT 960
Db 901 CCACCCAGGTGGCACTGAATTCACGACAGTCTTGTACAAATTTTCATGTTTAAACAGCAGT 960
Qy 961 TGTGTTGGAGGATGAACCCGCTCCAAATTTTAAATCATTTTACTCTGGAACACAGAGAT 1020
Db 961 TGTGTTGGAGGATGAACCCGCTCCAAATTTTAAATCATTTTACTCTGGAACACAGAGAT 1020

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QY 1021 GGCACAGTCTGGCGCAGCGCTGCTTTGAGSCCGGATCTGTCCTGCCCGCAGGAGAGAC 1080
Db 1021 GGCACAGTCTGGCGCAGCGCTGCTTTGAGSCCGGATCTGTCCTGCCCGCAGGAGAGAC 1080
QY 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGACAGTACAAAGAACGGT 1140
Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGACAGTACAAAGAACGGT 1140
QY 1141 GATGCTAGGAAGCGCCGCTTTCGTCAGAACACACATGGTATCCAGATGACATCATCAAG 1200
Db 1141 GATGCTAGGAAGCGCCGCTTTCGTCAGAACACACATGGTATCCAGATGACATCATCAAG 1200
QY 1201 AAACGAGATCCCGAGATGATGAACCTGTTACTTACCAGTGAGGGCCGCTGAGACTTAT 1260
Db 1201 AAACGAGATCCCGAGATGATGAACCTGTTACTTACCAGTGAGGGCCGCTGAGACTTAT 1260
QY 1261 GAAATGCTGTGAAGATCAAAAGTCCCTGGAACTCATGCACTACCTTCCCTCAGCACACA 1320
Db 1261 GAAATGCTGTGAAGATCAAAAGTCCCTGGAACTCATGCACTACCTTCCCTCAGCACACA 1320
QY 1321 ATTGAACGTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTC 1380
Db 1321 ATTGAACGTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTC 1380
QY 1381 CTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCCAAACAACTCT 1440
Db 1381 CTTTCAGCCTGCTTCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCCAAACAACTCT 1440
QY 1441 GACGTCTTCTTTAGACATTCACAGCCGCCAAACCGGATCAGTGACCCATAGAGCCCTATC 1500
Db 1441 GACGTCTTCTTTAGACATTCACAGCCGCCAAACCGGATCAGTGACCCATAGAGCCCTATC 1500
QY 1501 TCTATATTTAAGTGTGTGTTGTTATTTCCATGTGTATATGAGTGTGTGTGTGTA 1560
Db 1501 TCTATATTTAAGTGTGTGTTGTTATTTCCATGTGTATATGAGTGTGTGTGTGTA 1560
QY 1561 TGTGTGTGCTGTGTATCTAGCCCTCATAAACAGGACTTCAAGACACTTTGGCTCAGAGA 1620
Db 1561 TGTGTGTGCTGTGTATCTAGCCCTCATAAACAGGACTTCAAGACACTTTGGCTCAGAGA 1620
QY 1621 CCAACTGTCTAAAGGCACAAAGCCACTAGTGAGAGAACTTTTGAAGGGACTCAAACT 1680
Db 1621 CCAACTGTCTAAAGGCACAAAGCCACTAGTGAGAGAACTTTTGAAGGGACTCAAACT 1680
QY 1681 TTACAAGAAAGATGTTTCTGAGATTTGTATCTTAGACCGGCCATTTGGTGGGTGAG 1740
Db 1681 TTACAAGAAAGATGTTTCTGAGATTTGTATCTTAGACCGGCCATTTGGTGGGTGAG 1740
QY 1741 GAACCACTGTGTTTGTCTGTGAGCTTCTGTTCTTCTGGGAGGGGCTCAGGTGGG 1800
Db 1741 GAACCACTGTGTTTGTCTGTGAGCTTCTGTTCTTCTGGGAGGGGCTCAGGTGGG 1800
QY 1801 GAAAGGGCATTAAGATGTTTATGGAACCCCTTCTGCTCTTCTGTTGTTTCTAA 1860
Db 1801 GAAAGGGCATTAAGATGTTTATGGAACCCCTTCTGCTCTTCTGTTGTTTCTAA 1860
QY 1861 AATTCACAGGAGCTTTGAGCAGGTCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
Db 1861 AATTCACAGGAGCTTTGAGCAGGTCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
QY 1921 AAAAAAGTTGTTATTTGCTGTGCATTAAGTATGTTAGGTGACTGAGAGACTCAGTCAGA 1980
Db 1921 AAAAAAGTTGTTATTTGCTGTGCATTAAGTATGTTAGGTGACTGAGAGACTCAGTCAGA 1980
QY 1981 CCCTTTAATGCTGGTCATGTAATAATTAATGCAAGTAGTAGAAACCAAGGTGCAAGTG 2040
Db 1981 CCCTTTAATGCTGGTCATGTAATAATTAATGCAAGTAGTAGAAACCAAGGTGCAAGTG 2040
QY 2041 TACTGCTGGCAGCGAGGTGATCATTTACCAAAAGTAACTCACTTTTGGTGGGTGAGAGTTC 2100
Db 2041 TACTGCTGGCAGCGAGGTGATCATTTACCAAAAGTAACTCACTTTTGGTGGGTGAGAGTTC 2100
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QY 2101 TTTGTGAGAACTTGCACTTATTTGTGTCTCCCTCATGTGTAGTAGAACAATTTCTTAAT 2160
Db 2101 TTTGTGAGAACTTGCACTTATTTGTGTCTCCCTCATGTGTAGTAGAACAATTTCTTAAT 2160
QY 2161 GCTGTGTACTGCTCTGCGACCTGTATGTGGCATCTGTATATCTAAAAGTTTTCTTGTA 2220
Db 2161 GCTGTGTACTGCTCTGCGACCTGTATGTGGCATCTGTATATCTAAAAGTTTTCTTGTA 2220
QY 2221 CATGAACCTCGGAAGACCTACTACAAAAAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
Db 2221 CATGAACCTCGGAAGACCTACTACAAAAAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
QY 2281 CTCATTTTGTGCTTTTAAATAGAAAGCAAAATCCACCCAGTAATATTGCCCTTACGTAGT 2340
Db 2281 CTCATTTTGTGCTTTTAAATAGAAAGCAAAATCCACCCAGTAATATTGCCCTTACGTAGT 2340
QY 2341 TGTTHACCAATATTCAAAGCTCAAAATAGAAATTTGAAGCCCTCTCAAAAATCTGTGATT 2400
Db 2341 TGTTHACCAATATTCAAAGCTCAAAATAGAAATTTGAAGCCCTCTCAAAAATCTGTGATT 2400
QY 2401 AATTTGCTTTAAATTTAGAGCTTCTATCCCTCAAGCCTACCTACCAATAAAACAGCCATATTA 2460
Db 2401 AATTTGCTTTAAATTTAGAGCTTCTATCCCTCAAGCCTACCTACCAATAAAACAGCCATATTA 2460
QY 2461 CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTACGTTTTGAGTAAGTGAGATCCAAAGC 2520
Db 2461 CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTACGTTTTGAGTAAGTGAGATCCAAAGC 2520
QY 2521 AGACGTGTTTAAATCAGCACTCTCGTGCATGGAATTTAAAGATTTGAAAGGTGAGACTACTT 2580
Db 2521 AGACGTGTTTAAATCAGCACTCTCGTGCATGGAATTTAAAGATTTGAAAGGTGAGACTACTT 2580
QY 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAATCTCTGTTCTTTCCATTTTAAAAACATATT 2640
Db 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAATCTCTGTTCTTTCCATTTTAAAAACATATT 2640
QY 2641 TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCATCTTCCACACCCAGT 2700
Db 2641 TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCATCTTCCACACCCAGT 2700
QY 2701 CACCAGCACTGTATTTTCTGTCCACAGACAATGATTTCTGTTATGAGGCTGTTGCTT 2760
Db 2701 CACCAGCACTGTATTTTCTGTCCACAGACAATGATTTCTGTTATGAGGCTGTTGCTT 2760
QY 2761 TTGTGATGTGTGATTTTAAATTTCAATAAACTTTTGCACTTTGGTTTAAAGAAA 2816
Db 2761 TTGTGATGTGTGATTTTAAATTTCAATAAACTTTTGCACTTTGGTTTAAAGAAA 2816
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RESULT 7

US-10-393-590-27

; Sequence 27, Application US/10393590

; Publication No. US20030190656A1

; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN

; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO

; FILE REFERENCE: CDS 268 US NP

; CURRENT APPLICATION NUMBER: US/10/393,590

; PRIOR FILING DATE: 2003-03-21

; PRIOR APPLICATION NUMBER: 60/368,789

; NUMBER OF SEQ ID NOS: 100

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 27

; LENGTH: 2816

; TYPE: DNA

; ORGANISM: human

US-10-393-590-27

Query Match 100.0%; Score 2816; DB 16; Length 2816;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGTTGATATCAAGACAGATTGAAGAAATGAATTTTGAATCTTCAAGGTGTGCCACCT 60
Db |||||
1 TCGTTGATATCAAGACAGATTGAAGAAATGAATTTTGAATCTTCAAGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Db |||||
61 ACAGTACTGCCCTTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACA CAGACAAATGAATTCCTCAGT 180
Db |||||
121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGCACA CAGACAAATGAATTCCTCAGT 180
Qy 181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGAAACAGCCCTATATGTTTCAGTTTCAGCCC 240
Db |||||
181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGAAACAGCCCTATATGTTTCAGTTTCAGCCC 240
Qy 241 ATTGACATTGAACCTTTGTGGATGAACCATCAGAAATGGTGGCAAAACAGAAATTGAGATT 300
Db |||||
241 ATTGACATTGAACCTTTGTGGATGAACCATCAGAAATGGTGGCAAAACAGAAATTGAGATT 300
Qy 301 AGCATGGACTGTATCCGCATCCAGGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360
Db |||||
301 AGCATGGACTGTATCCGCATCCAGGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360
Qy 361 ACGAACCTGGGGCTCTGAAACAGCATGGACAGAGATTTCAGAACGGCTCTCTGTCAC 420
Db |||||
361 ACGAACCTGGGGCTCTGAAACAGCATGGACAGAGATTTCAGAACGGCTCTCTGTCAC 420
Qy 421 AGTCCCTATACACAGACCCGACAGAACAGCGTCAGGGCCCTCGCCCTACGCACAG 480
Db |||||
421 AGTCCCTATACACAGACCCGACAGAACAGCGTCAGGGCCCTCGCCCTACGCACAG 480
Qy 481 CCCAGCTCCACCTTCGATGCTCTCTCCATCACCCTGATCCCTCCAAACACCGACTAC 540
Db |||||
481 CCCAGCTCCACCTTCGATGCTCTCTCCATCACCCTGATCCCTCCAAACACCGACTAC 540
Qy 541 CCAGGCCCGACAGTTTCGAGTGTCTTCCAGAGTCGAGCAACGGCCAGTGGGCCACC 600
Db |||||
541 CCAGGCCCGACAGTTTCGAGTGTCTTCCAGAGTCGAGCAACGGCCAGTGGGCCACC 600
Qy 601 TGGACGTTATCCACTGAACAACTCTACTGCCAAATTCGAAAGACATGCCCATC 660
Db |||||
601 TGGACGTTATCCACTGAACAACTCTACTGCCAAATTCGAAAGACATGCCCATC 660
Qy 661 CAGATCAAGGTGATGACCCACCTCTCAGGGAGCTGTATCCCGCCATGCCCTCTAC 720
Db |||||
661 CAGATCAAGGTGATGACCCACCTCTCAGGGAGCTGTATCCCGCCATGCCCTCTAC 720
Qy 721 AAAAAAGCTGACGACGTCAAGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
Db |||||
721 AAAAAAGCTGACGACGTCAAGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
Qy 781 GAATTCACAGGACAGATTGCCCTCTAGTTCATTTGATTCGAGTAGAGGGGAAACAGC 840
Db |||||
781 GAATTCACAGGACAGATTGCCCTCTAGTTCATTTGATTCGAGTAGAGGGGAAACAGC 840
Qy 841 CATGCCAGTATGATGAGAAATCCCATCAGGAAGACAGAGTGTGCTGCTACCTTATGAG 900
Db |||||
841 CATGCCAGTATGATGAGAAATCCCATCAGGAAGACAGAGTGTGCTGCTACCTTATGAG 900
Qy 901 CCACCCAGGTTGSCACTGAATTCACGACAGTCTTGTACAAATTCATGTGTAAACAGCAGT 960
Db |||||
901 CCACCCAGGTTGSCACTGAATTCACGACAGTCTTGTACAAATTCATGTGTAAACAGCAGT 960
Qy 961 TGTGTTGGAGGATGAACCCCGTCCAAATTTTAATCATTTGTTACTCTGGAAACAGAGAT 1020
Db |||||
961 TGTGTTGGAGGATGAACCCCGTCCAAATTTTAATCATTTGTTACTCTGGAAACAGAGAT 1020
Qy 1021 GGGCAAGTCTGGGCCAGCGCTGTTTGGGCCCGGATCTGTGCTTCCCGAGGAAGAGAC 1080
Db |||||
1021 GGGCAAGTCTGGGCCAGCGCTGTTTGGGCCCGGATCTGTGCTTCCCGAGGAAGAGAC 1080
Qy 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTTCGACAGTACAAAGAACGGT 1140
Db |||||

Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGACAGTACAAAGAACGGT 1140
Qy 1141 GATGGTACGAAGCGCGCTTTCGTGAGAACACACATCGTATCCAGATGACATCCATCAAG 1200
Db |||||
1141 GATGGTACGAAGCGCGCTTTCGTGAGAACACACATCGTATCCAGATGACATCCATCAAG 1200
Qy 1201 AAACGAAGATCCCCAGATGATGAACCTGTATATTTACCAGTGAGGGGCCGTGAGACTTAT 1260
Db |||||
1201 AAACGAAGATCCCCAGATGATGAACCTGTATATTTACCAGTGAGGGGCCGTGAGACTTAT 1260
Qy 1261 GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACCTCATGAGTACCTTCCTCAGGACACA 1320
Db |||||
1261 GAAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACCTCATGAGTACCTTCCTCAGGACACA 1320
Qy 1321 ATTGAAACGTTACAGGCAACAGCAGCAGCAGCAGCACTTACTTCAGAAACATCTC 1380
Db |||||
1321 ATTGAAACGTTACAGGCAACAGCAGCAGCAGCAGCACTTACTTCAGAAACATCTC 1380
Qy 1381 CTTTCAGCCTGCTTCAGGAATGAGCTTTGTGGAGCCCCGGAGAGAAAACCTCCAAAAACAATCT 1440
Db |||||
1381 CTTTCAGCCTGCTTCAGGAATGAGCTTTGTGGAGCCCCGGAGAGAAAACCTCCAAAAACAATCT 1440
Qy 1441 GAGCTCTTCTTTAGACATTTCCAAAGCCCCAAACCGATCAGTGTACCCATAGAGCCCTATC 1500
Db |||||
1441 GAGCTCTTCTTTAGACATTTCCAAAGCCCCAAACCGATCAGTGTACCCATAGAGCCCTATC 1500
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Db |||||
1501 TCTATATTTTAAAGTGTGTGTTGTTTCCATCTGTATATGTGAGTGTGTGTGTGTA 1560
Qy 1561 TGTGTGTGCTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTGGCTCAGAGA 1620
Db |||||
1561 TGTGTGTGCTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTGGCTCAGAGA 1620
Qy 1621 CCCAAGCTCTCAAGGCAAGAGCCACTAGTGAGAGAAATCTTTTGAAGGACTCAAACT 1680
Db |||||
1621 CCCAAGCTCTCAAGGCAAGAGCCACTAGTGAGAGAAATCTTTTGAAGGACTCAAACT 1680
Qy 1681 TTACAAAGAAAGGATGTTTCTGAGATTTTGTATCTTAGACCGCCATTTGGTGGGTGAG 1740
Db |||||
1681 TTACAAAGAAAGGATGTTTCTGAGATTTTGTATCTTAGACCGCCATTTGGTGGGTGAG 1740
Qy 1741 GAAACCACTGTGTTGTGTGAGCTTTCTGTTTCTCGGAGGGGGGTCAAGTGGG 1800
Db |||||
1741 GAAACCACTGTGTTGTGTGAGCTTTCTGTTTCTCGGAGGGGGGTCAAGTGGG 1800
Qy 1801 GAAAGGGGCAATTAAGATGTTTATTTGAAACCTTTTCTGCTCTCTTTCTTTCTAA 1860
Db |||||
1801 GAAAGGGGCAATTAAGATGTTTATTTGAAACCTTTTCTGCTCTCTTTCTTTCTAA 1860
Qy 1861 AATTCACAGGGAAGCTTTTGAGCAGGCTCAAACTTAAGATGCTTTTTTAAGAAAAGAG 1920
Db |||||
1861 AATTCACAGGGAAGCTTTTGAGCAGGCTCAAACTTAAGATGCTTTTTTAAGAAAAGAG 1920
Qy 1921 AAAAAAGTTGTTTATGCTGTGATTAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCAAG 1980
Db |||||
1921 AAAAAAGTTGTTTATGCTGTGATTAAGTAAGTTGTAGGTGACTGAGAGACTCAGTCAAG 1980
Qy 1981 CCCTTTTAATGCTGGTCATGTAATAATATTGCAAGTAGTAAGAAACGAAGGTGTCAAGTG 2040
Db |||||
1981 CCCTTTTAATGCTGGTCATGTAATAATATTGCAAGTAGTAAGAAACGAAGGTGTCAAGTG 2040
Qy 2041 TACTGCTGGGACGAGGAGTCAATTTACCAAAAGTAACTTTTGTGGGTGGAGAGTTC 2100
Db |||||
2041 TACTGCTGGGACGAGGAGTCAATTTACCAAAAGTAACTTTTGTGGGTGGAGAGTTC 2100
Qy 2101 TTTGTGAGAACTTGCATTTTGTGCTCCCTCATGTGTAGGTAGAAACATTTCTTAAT 2160
Db |||||
2101 TTTGTGAGAACTTGCATTTTGTGCTCCCTCATGTGTAGGTAGAAACATTTCTTAAT 2160
Qy 2161 GCTGTGTACTGCTCTGCGACCTGTATGTTGGCACTGTGTTATGCTAAAGTTTTTCTTGTGA 2220
Db |||||

Db 2161 GCTGTGTACCTGCTCTGCCACTGTATGTTGGCATCTGTTATGCTAAAAGTTTTTCTTGTA 2220
Qy 2221 CATGAACCCCTGGAAGACCTACTACAAAAAATCTGTTGTTGGCCCTCCATAGCAGTGAA 2280
Db 2221 CATGAACCCCTGGAAGACCTACTACAAAAAATCTGTTGTTGGCCCTCCATAGCAGTGAA 2280
Qy 2281 CTCATTTTGTGCTTTTAAATAGAAGCAAAATCCACCCCACTAATATTTGCCCTTTACGTAGT 2340
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Db 2341 TGTTTACCATTTTCAAAGCTCAAAATAGAAATTTGAAGCCCTCTCAAAAATCTGTGATT 2400
Qy 2401 AATTTGCTTAAATAGAGCTTCTATCCCTCAAGCTACTACCAATAAAACCAGCCATATTA 2460
Db 2401 AATTTGCTTAAATAGAGCTTCTATCCCTCAAGCTACTACCAATAAAACCAGCCATATTA 2460
Qy 2461 CTGATACCTGTTCAGTCATTTAGCCAGGAGACTTACGTTTGTAGTAAGTGAGATCCAAGC 2520
Db 2461 CTGATACCTGTTCAGTCATTTAGCCAGGAGACTTACGTTTGTAGTAAGTGAGATCCAAGC 2520
Qy 2521 AGACGTGTTAAATACAGCACTCTCGACTGCGAAATTTAAAGTTGAAGGTTAGACTACTT 2580
Db 2521 AGACGTGTTAAATACAGCACTCTCGACTGCGAAATTTAAAGTTGAAGGTTAGACTACTT 2580
Qy 2581 TTCTTTTCTTACTCAAAAGTTTAGAGAACTCTGTTTCTTCCATTTTAAAAACATATT 2640
Db 2581 TTCTTTTCTTACTCAAAAGTTTAGAGAACTCTGTTTCTTCCATTTTAAAAACATATT 2640
Qy 2641 TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCCTCCATCTTCCACACCCAGT 2700
Db 2641 TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCCTCCATCTTCCACACCCAGT 2700
Qy 2701 CACCAGCACTGATTTTCTGTCAACAGACAATGATTTCTGTTATTTAGGCTGTTGCTT 2760
Db 2701 CACCAGCACTGATTTTCTGTCAACAGACAATGATTTCTGTTATTTAGGCTGTTGCTT 2760
Qy 2761 TTGTGATGTCATTTTAAATTTTCAATTAACCTTTTGCATCTGTTTAAAGAAA 2816
Db 2761 TTGTGATGTCATTTTAAATTTTCAATAAACTTTTGCATCTTGGTTTAAAGAAA 2816

RESULT 8
US-10-393-590-64
; Sequence 64, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-590-64

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCCTTGATATCAAGACAGTTGAGGAAATGAATTTTGAACCTTCAGGTTGCGCACCT 60
Db 1 TCCTTGATATCAAGACAGTTGAGGAAATGAATTTTGAACCTTCAGGTTGCGCACCT 60
Qy 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120

Db 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGACACAGACAATGAATTCCTCAGT 180
Db 121 AAAGAAAGTTATTACCGATCCACCATGTCCAGAGACACAGACAATGAATTCCTCAGT 180
Qy 181 CCAGAGGTTTCCAGCATATCTGGGATTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240
Db 181 CCAGAGGTTTCCAGCATATCTGGGATTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240
Qy 241 ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGCACAAACAGATTTGAGATT 300
Db 241 ATTGACTTGAACCTTTGTGGATGAACCATCAGAAAGATGGTGCACAAACAGATTTGAGATT 300
Qy 301 ASCATGGACTGTATCCGCATGACGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360
Db 301 ASCATGGACTGTATCCGCATGACGACTCGGACCTGAGTGACCCCATGTGGCCACAGTAC 360
Qy 361 ACGAACTCTGGGCTCTCTGAACAGCATGGAACAGCAGATTCAGAAACGGCTCTCTGTCACC 420
Db 361 ACGAACTCTGGGCTCTCTGAACAGCATGGAACAGCAGATTCAGAAACGGCTCTCTGTCACC 420
Qy 421 AGTCCCTATAACACAGACCCGCGCAGACAGGCTCAGCGGCCCTCGCCCTACGACACAG 480
Db 421 AGTCCCTATAACACAGACCCGCGCAGACAGGCTCAGCGGCCCTCGCCCTACGACACAG 480
Qy 481 CCAGCTCCACCTTCGATGCTCTCTCCATCACCGGCCATCCCTCCAAACACGACTAC 540
Db 481 CCAGCTCCACCTTCGATGCTCTCTCCATCACCGGCCATCCCTCCAAACACGACTAC 540
Qy 541 CCAGGCCCCACAGTTTCGACGTGCTTCCAGCAGTTCGAGCACCCCAAGTCGGCCACC 600
Db 541 CCAGGCCCCACAGTTTCGACGTGCTTCCAGCAGTTCGAGCACCCCAAGTCGGCCACC 600
Qy 601 TGAAGTATTCACCTGAACCTGAAGAACTCTACTGCGAAATTCGAAGACATGCGCCATC 660
Db 601 TGAAGTATTCACCTGAACCTGAAGAACTCTACTGCGAAATTCGAAGACATGCGCCATC 660
Qy 661 CAGATCAAGGTGATGACCCCACTCTCTCAGGAGCTGTTATCCGCGCCATCGCTGTCTAC 720
Db 661 CAGATCAAGGTGATGACCCCACTCTCTCAGGAGCTGTTATCCGCGCCATCGCTGTCTAC 720
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Db 721 AAAAAAGCTGAGCAGTCAACGAGGTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGT 780
Qy 781 GAATTCACAGGAGACAGATTGCGCCCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
Db 781 GAATTCACAGGAGACAGATTGCGCCCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
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Db 841 CATGCCAGTATGTAGAAGATCCCATCAGGAAGACAGAGTGTGTGTTACCTTATGAG 900
Qy 901 CCACCCCAAGTTGGCACTGAATTCACGACAGTCTTGTACAATTTCAATTTGTTAAACAGCAGT 960
Db 901 CCACCCCAAGTTGGCACTGAATTCACGACAGTCTTGTACAATTTCAATTTGTTAAACAGCAGT 960
Qy 961 TGTGTTGAGGAGTGAACCGCGTCCAATTTTAAATCATTTGTTACTCTGGAACACAGAT 1020
Db 961 TGTGTTGAGGAGTGAACCGCGTCCAATTTTAAATCATTTGTTACTCTGGAACACAGAT 1020
Qy 1021 GGGCAAGTCTCTGGCCGACGCTGTTTGGAGCCCGGATCTGTCTTGGCCCGAGAGAC 1080
Db 1021 GGGCAAGTCTCTGGCCGACGCTGTTTGGAGCCCGGATCTGTCTTGGCCCGAGAGAC 1080
Qy 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGT 1140
Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGT 1140
Qy 1141 GATGTGACGAAGCGCCCGTTTCTGTAGAACACACATGTTATCCAGATGACATCCATCAAG 1200
Db 1141 GATGTGACGAAGCGCCCGTTTCTGTAGAACACACATGTTATCCAGATGACATCCATCAAG 1200

1201 AAACGAAGATCCCAAGATGATGAACCTGTTATCTTACCAGTGAGGGGCGGTGAGACTTAT 1260
1201 AAACGAAGATCCCAAGATGATGAACCTGTTATCTTACCAGTGAGGGGCGGTGAGACTTAT 1260
1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAACTCATGTCAGTACCTTCCCTCAGCAGACA 1320
1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAACTCATGTCAGTACCTTCCCTCAGCAGACA 1320
1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
1381 CTTTCAGCCTGCTTCCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCAAACAATCT 1440
1381 CTTTCAGCCTGCTTCCAGGAATGAGCTTGTGGAGCCCGGAGAGAACTCCAAACAATCT 1440
1441 GACGCTCTTTAGACATCAAGCCCCCAACCGATCAGTGATGCCATAGAGCCCTATC 1500
1441 GACGCTCTTTAGACATCAAGCCCCCAACCGATCAGTGATGCCATAGAGCCCTATC 1500
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1561 TGTGTGTCGTGTGTATCTAGCCCTCATAAACAGGACTTTGAAGACACTTTTGGCTCAGAGA 1620
1561 TGTGTGTCGTGTGTATCTAGCCCTCATAAACAGGACTTTGAAGACACTTTTGGCTCAGAGA 1620
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1621 CCCAACTGCTCAAAAGGCCAAAGGCCAATAGTGAGAGAACTTTTGAAGGACTCAAACT 1680
1681 TTACAAGAAAGGATGTTTCTGTCAGATTTTGTATCTTACCGGCAATGCTGGGTGAG 1740
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1741 GAACCACTGCTGTTTCTGTCAGCTTTCTGTTGTTTCTGCGAGGGGGGTCAAGTGGG 1800
1741 GAACCACTGCTGTTTCTGTCAGCTTTCTGTTGTTTCTGCGAGGGGGGTCAAGTGGG 1800
1801 GAAAGGGGCATTAAGATGTTTATGGAACCCCTTTCTGCTCTCTTCTGTTTCTTAA 1860
1801 GAAAGGGGCATTAAGATGTTTATGGAACCCCTTTCTGCTCTCTTCTGTTTCTTAA 1860
1861 AATTACAGGGAAGCTTTGAGCAGGCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
1861 AATTACAGGGAAGCTTTGAGCAGGCTCAAACTTAAGATGCTTTTAAAGAAAGGAG 1920
1921 AAAAAAGTTGTTATGCTGTCATAGTAAGTTGTTAGTGACTGAGAGACTCAGTCAGA 1980
1921 AAAAAAGTTGTTATGCTGTCATAGTAAGTTGTTAGTGACTGAGAGACTCAGTCAGA 1980
1981 CCCCCCTTAATGCTGTCATGTAATAATGTAAGTGAAGTGAAGAACGAGGTGCAAGTG 2040
1981 CCCCCCTTAATGCTGTCATGTAATAATGTAAGTGAAGTGAAGAACGAGGTGCAAGTG 2040
2041 TACTGCTGGGCGAGGTGATCAATACCAAACTTAATCACTTTGTTGGTGGAGAGTTC 2100
2041 TACTGCTGGGCGAGGTGATCAATACCAAACTTAATCACTTTGTTGGTGGAGAGTTC 2100
2101 TTTGTGAGAACTTGCATTTATTTGTTGCTCCCTCATGTGTAGGTAGAACATTTCTTAAT 2160
2101 TTTGTGAGAACTTGCATTTATTTGTTGCTCCCTCATGTGTAGGTAGAACATTTCTTAAT 2160
2161 GCTGTGACCTGCTCTGCCACTGTAATGTTGGCAATCTGTTAAGTAAAGTTTTCTTGTA 2220
2161 GCTGTGACCTGCTCTGCCACTGTAATGTTGGCAATCTGTTAAGTAAAGTTTTCTTGTA 2220
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2221 CATGAAACCCCTGGAGACCTACTCAAAAAAATCTGTTGTTGGCCCCCATAGCAGGTGAA 2280

2281 CTCATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTTCCCTTACGTAGT 2340
2281 CTCATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTTCCCTTACGTAGT 2340
2341 TGTTTACCATTTTCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2341 TGTTTACCATTTTCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2401 AATTTGCTTAATTAGAGCTTCTATCCCTCAAGCCCTACCTACCATAAACAGCCATATTA 2460
2401 AATTTGCTTAATTAGAGCTTCTATCCCTCAAGCCCTACCTACCATAAACAGCCATATTA 2460
2461 CTGATACCTGTTCAAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 2520
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2521 AGAGCTGTTAAATCAGACACTCCCTGGAGCTGGAATTTAAAGATTTAAAGGGTAGACTACTT 2580
2521 AGAGCTGTTAAATCAGACACTCCCTGGAGCTGGAATTTAAAGATTTAAAGGGTAGACTACTT 2580
2581 TTCTTTTTTACTCCTCAAAAGTTTAGAGAATCTCTGTTTCTTCCATTTTAAAAACATATT 2640
2581 TTCTTTTTTACTCCTCAAAAGTTTAGAGAATCTCTGTTTCTTCCATTTTAAAAACATATT 2640
2641 TTAAGATAATAGCATAAAGACTTTTAAAAATGTTCCCTCCCTCCATCTTCCACACCCAGT 2700
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2701 CACCAGCACTGTTATTTCTGTCACCAAGACAAATGATTTCTGTTATTGAGGCTGTGCTT 2760
2701 CACCAGCACTGTTATTTCTGTCACCAAGACAAATGATTTCTGTTATTGAGGCTGTGCTT 2760
2761 TTGTGGATGTGATTTTAAATTTTCAATAAATTTTGCATCTTGGTTTAAAAAGAAA 2816
2761 TTGTGGATGTGATTTTAAATTTTCAATAAATTTTGCATCTTGGTTTAAAAAGAAA 2816

RESULT 9

US-10-393-590-65
; Sequence 65, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-590-65

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGTTGATATCAAAAGACAGTTGAAGGAAATGAATTTTGAACCTTTCAGCGTGTGCCACCT 60
Db 1 TCGTTGATATCAAAAGACAGTTGAAGGAAATGAATTTTGAACCTTTCAGCGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAAGTTATTACCGATCCCATGTCCAGAGCACAGACAAATGAATTTCTCTCAGT 180
Db 121 AAAGAAAGTTATTACCGATCCCATGTCCAGAGCACAGACAAATGAATTTCTCTCAGT 180

Qy	181	CCAGAGGTTTTCCAGCATATCTGGGATTTTCGGAAACAGCCTATATGTTTCAGTTTCAGTTCAGCCC	240
Db	181	CCAGAGGTTTTCCAGCATATCTGGGATTTTCGGAAACAGCCTATATGTTTCAGTTTCAGTTCAGCCC	240
Qy	241	ATTGACTTGAACCTTTGTGCGATGAACCATCAGAGAATGGTCGACAAACAAGATTGAGATT	300
Db	241	ATTGACTTGAACCTTTGTGCGATGAACCATCAGAGAATGGTCGACAAACAAGATTGAGATT	300
Qy	301	AGCATGGACTCTATCCGCATCGAGACTCGGACCTGAGTGAACCCCATGTGTGSCCAAGTAC	360
Db	301	AGCATGGACTCTATCCGCATCGAGACTCGGACCTGAGTGAACCCCATGTGTGSCCAAGTAC	360
Qy	361	ACGAACCTGGGGCTCTGTAAACAGANTGGAACAGACAGATTCAAGAAGGGTCTCTGTCTCAAC	420
Db	361	ACGAACCTGGGGCTCTGTAAACAGANTGGAACAGACAGATTCAAGAAGGGTCTCTGTCTCAAC	420
Qy	421	AGTCCCTATAACACAGACCCGCGCAGAAACAGCGTCAAGCGCGCCTCGCCCTACGCAAG	480
Db	421	AGTCCCTATAACACAGACCCGCGCAGAAACAGCGTCAAGCGCGCCTCGCCCTACGCAAG	480
Qy	481	CCCAGCTCCACCTTCGATGCTCTCTCTCCATCACCCGCGCATCCCTCCAAACCGGACTAC	540
Db	481	CCCAGCTCCACCTTCGATGCTCTCTCTCCATCACCCGCGCATCCCTCCAAACCGGACTAC	540
Qy	541	CCAGGCCGCGACAGTTTCGACGTGTCTTTCAGCAGTCGAGCACCGCGCAAGTCGGCCACC	600
Db	541	CCAGGCCGCGACAGTTTCGACGTGTCTTTCAGCAGTCGAGCACCGCGCAAGTCGGCCACC	600
Qy	601	TGGACGTATTCACCTGAACTCAAGAAACTCTACTGCCAAATTGCAAAAGACATGCCCCATC	660
Db	601	TGGACGTATTCACCTGAACTCAAGAAACTCTACTGCCAAATTGCAAAAGACATGCCCCATC	660
Qy	661	CAGATCAAGGTGATGAACCCACCTCCTCAGGGAGCTGTTATCCGCGCATGCCCTGTCTAC	720
Db	661	CAGATCAAGGTGATGAACCCACCTCCTCAGGGAGCTGTTATCCGCGCATGCCCTGTCTAC	720
Qy	721	AAAAAGCTGAGCAGCTCAACGAGGTGGTGAAGCGGTGCCCCAAACCATAGAGCTGAGCGGT	780
Db	721	AAAAAGCTGAGCAGCTCAACGAGGTGGTGAAGCGGTGCCCCAAACCATAGAGCTGAGCGGT	780
Qy	781	GAATTCACAGGAGCAGATGTCCTCTAGTTCATTTGATTTCAGTAGAGGGGAAACAGC	840
Db	781	GAATTCACAGGAGCAGATGTCCTCTAGTTCATTTGATTTCAGTAGAGGGGAAACAGC	840
Qy	841	CATGCCCATGATGTAGAAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAG	900
Db	841	CATGCCCATGATGTAGAAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAG	900
Qy	901	CCACCCAGGTTGGCAGTGAATTCAACGACAGCTTTGTATCAATTTTCATGTGTAAACAGCAGT	960
Db	901	CCACCCAGGTTGGCAGTGAATTCAACGACAGCTTTGTATCAATTTTCATGTGTAAACAGCAGT	960
Qy	961	TGTTGTTGGAGGGATGAACCGCGTCCAAATTTTAACTCATTTGTTACTCTGGAAACAGAGAT	1020
Db	961	TGTTGTTGGAGGGATGAACCGCGTCCAAATTTTAACTCATTTGTTACTCTGGAAACAGAGAT	1020
Qy	1021	GGGCAAGTCTCTGGGCGACGCTGTTTGAGGCCCGGATCTGTGCTGCGCCAGGAAGAC	1080
Db	1021	GGGCAAGTCTCTGGGCGACGCTGTTTGAGGCCCGGATCTGTGCTGCGCCAGGAAGAC	1080
Qy	1081	AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGTGAACAAAGAACCGT	1140
Db	1081	AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGAAGTGAACAAAGAACCGT	1140
Qy	1141	GATGGTACGAAGCGCGTTTCGTCAGAACACACATGGTATCCAGATGACATCCATCAAG	1200
Db	1141	GATGGTACGAAGCGCGCGTTTCGTCAGAACACACATGGTATCCAGATGACATCCATCAAG	1200
Qy	1201	AAACGAAGATCCCAGATGATGAACCTGTTATACCTTACAGTGAAGGGCCGTTGAGACTTAT	1260
Db	1201	AAACGAAGATCCCAGATGATGAACCTGTTATACCTTACAGTGAAGGGCCGTTGAGACTTAT	1260
Qy	1261	GAATGCTGTTGAAGATCAAAAGAGTCCCTGGAACTCATGAGTAGTACCTTCTCTCAGCACACA	1320

[illegible]

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Db 2341 TGTTTACCAATTATCAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
Qy 2401 AATTGCTTAATTAGAGCTTCTATCCCTCAAGCCTTACCTACCATATAAACCAGCCATATTA 2460
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Qy 2461 CTGATACTGTTCAGTGCAATTTAGCCAGGAGACTTACGTTTTTGTAGTAAGTGAATCCAAAGC 2520
Db 2461 CTGATACTGTTCAGTGCAATTTAGCCAGGAGACTTACGTTTTTGTAGTAAGTGAATCCAAAGC 2520
Qy 2521 AGACGTGTTAAATCAGCACTCTCGGACTGGAAATTAAGATTGAAGGGTAGACTACTT 2580
Db 2521 AGACGTGTTAAATCAGCACTCTCGGACTGGAAATTAAGATTGAAGGGTAGACTACTT 2580
Qy 2581 TTCTTTTTTTTACTCAAAAGTTTACAGAAATCTCTGTTTTCTTTTCCATTTTAAAAAACATATT 2640
Db 2581 TTCTTTTTTTTACTCAAAAGTTTACAGAAATCTCTGTTTTCTTTTCCATTTTAAAAAACATATT 2640
Qy 2641 TTAAGATAATAGCATAAAGACTTTTAAATAATGTTCTCCCTCCATCTTCCACACCCAGT 2700
Db 2641 TTAAGATAATAGCATAAAGACTTTTAAATAATGTTCTCCCTCCATCTTCCACACCCAGT 2700
Qy 2701 CACAGCACTGTATTTCTGTCTACCAAGCAATGATTTCTTTGTTTATTTAGAGCTGTGCTT 2760
Db 2701 CACAGCACTGTATTTCTGTCTACCAAGCAATGATTTCTTTGTTTATTTAGAGCTGTGCTT 2760
Qy 2761 TTGTGGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTGTTTTTAAAGAAA 2816
Db 2761 TTGTGGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTGTTTTTAAAGAAA 2816

RESULT 10
US-10-393-567-26
; Sequence 26, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-567-26

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGTTGATATCAAGACAGCTTGAAGGAAATCAATTTTGAACCTTCACGGTGTGCCACCT 60
Db 1 TCGTTGATATCAAGACAGCTTGAAGGAAATCAATTTTGAACCTTCACGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAAGTTATTAACCGATCCACATGTCCAGAGCACACAGAAATGAATTCCTCAGT 180
Db 121 AAAGAAAGTTATTAACCGATCCACATGTCCAGAGCACACAGAAATGAATTCCTCAGT 180
Qy 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGGAACAGCCTATATGTTCAAGTTTCAGCC 240
Db 181 CCAGAGTTTCCAGCATATCTGGATTTTCTGGAACAGCCTATATGTTCAAGTTTCAGCC 240
Qy 241 ATTGACTTGAACCTTTGTGATGAACCATCAGAAAGTGGTGCACAAAACAGATTGAGATT 300
Db 241 ATTGACTTGAACCTTTGTGATGAACCATCAGAAAGTGGTGCACAAAACAGATTGAGATT 300
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Db 241 ATTGACTTGAACCTTTGTGATGAACCATCAGAAAGTGGTGCACAAAACAGATTGAGATT 300
Qy 301 AGCATGAGCTGTATCCCATGTCAGAGCTCGGACCTGAGTGACCCCATGTGCCACAGTAC 360
Db 301 AGCATGAGCTGTATCCCATGTCAGAGCTCGGACCTGAGTGACCCCATGTGCCACAGTAC 360
Qy 361 ACGAACCTGGGGCTCCTGAAACAGCATGGACACAGCAGATTTCAAGACGGCTCCTCGTCCACC 420
Db 361 ACGAACCTGGGGCTCCTGAAACAGCATGGACACAGCAGATTTCAAGACGGCTCCTCGTCCACC 420
Qy 421 AGTCCCTTATTAACACAGACACAGCGCGAGAAACAGCGTACAGCGCGCTTCGCCCTACGCAAG 480
Db 421 AGTCCCTTATTAACACAGACACAGCGCGAGAAACAGCGTACAGCGCGCTTCGCCCTACGCAAG 480
Qy 481 CCAGAGCTCCACCTTCGATGCTCTCTCTCAATCACCGCCATCCCTCCAAACACACGAGTAC 540
Db 481 CCAGAGCTCCACCTTCGATGCTCTCTCTCAATCACCGCCATCCCTCCAAACACACGAGTAC 540
Qy 541 CCAGGCGCGCACAGTTCGAGAGTGTCTTCCAGCAGTCCGACACCGCAAGTCCGSCCACC 600
Db 541 CCAGGCGCGCACAGTTCGAGAGTGTCTTCCAGCAGTCCGACACCGCAAGTCCGSCCACC 600
Qy 601 TGGAGCTATTCCACTGAACCTGAAGAACTCTACTTGCCTCAATTTGCAAGACATGCCCCATC 660
Db 601 TGGAGCTATTCCACTGAACCTGAAGAACTCTACTTGCCTCAATTTGCAAGACATGCCCCATC 660
Qy 661 CAGATCAAGGTGATGACCCACACCTCTCAGGAGCTGTATTCGCGCCCATCCCTGTCTAC 720
Db 661 CAGATCAAGGTGATGACCCACACCTCTCAGGAGCTGTATTCGCGCCCATCCCTGTCTAC 720
Qy 721 AAAAAAGCTGAGCACGTACGAGAGTGTGAAGCGGTGCCCCAACCAATGAGCTGAGCCGT 780
Db 721 AAAAAAGCTGAGCACGTACGAGAGTGTGAAGCGGTGCCCCAACCAATGAGCTGAGCCGT 780
Qy 781 GAATTTAAACGAGGACAGATTTGCCCTCTAGTCAATTTGATTCAGATAGAGGGAAACAGC 840
Db 781 GAATTTAAACGAGGACAGATTTGCCCTCTAGTCAATTTGATTCAGATAGAGGGAAACAGC 840
Qy 841 CATGCCAGTATGTAGAGATCCCATCACAGGAGACAGAGTGTGCTGGTACCTTATGAG 900
Db 841 CATGCCAGTATGTAGAGATCCCATCACAGGAGACAGAGTGTGCTGGTACCTTATGAG 900
Qy 901 CCACCCAGGTGGCACTGAATTTCAACACAGCTCTTGTACAATTTTCATGTGTAAACAGT 960
Db 901 CCACCCAGGTGGCACTGAATTTCAACACAGCTCTTGTACAATTTTCATGTGTAAACAGT 960
Qy 961 TGTGTTGGAGGATGAACCGCGCTCCAAATTTTAAATCATTTTACTCTGGAAAACAGAGAT 1020
Db 961 TGTGTTGGAGGATGAACCGCGCTCCAAATTTTAAATCATTTTACTCTGGAAAACAGAGAT 1020
Qy 1021 GGGCAAGTCTGGGCGGACCGCTGTTTGAAGCCCGGATCTGTGCTTGCCTCCAGGAGAGAC 1080
Db 1021 GGGCAAGTCTGGGCGGACCGCTGTTTGAAGCCCGGATCTGTGCTTGCCTCCAGGAGAGAC 1080
Qy 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGT 1140
Db 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGT 1140
Qy 1141 GATGGTACGAAGCGCCCGCTTTCGTACAGACACACATGGTATCCAGATGACATCATCAAG 1200
Db 1141 GATGGTACGAAGCGCCCGCTTTCGTACAGACACACATGGTATCCAGATGACATCATCAAG 1200
Qy 1201 AAACGAGATCCCAGATGATGAACCTGTTTACTTACCAGTGGGGCGGTGAGACTTAT 1260
Db 1201 AAACGAGATCCCAGATGATGAACCTGTTTACTTACCAGTGGGGCGGTGAGACTTAT 1260
Qy 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAATCTCATGAGTACCTTCTCTCAGCACACA 1320
Db 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAATCTCATGAGTACCTTCTCTCAGCACACA 1320
Qy 1321 ATTGAAACGTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
Db 1321 ATTGAAACGTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
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1381 QY CTTTCAGCCTGCTTCAGGAATGAGCTTGTTGGAGCCCGGAGAGAAAATCCAAACAATCT 1440
1381 DB |||||
1381 QY CTTTCAGCCTGCTTCAGGAATGAGCTTGTTGGAGCCCGGAGAGAAAATCCAAACAATCT 1440
1381 DB |||||
1441 QY GACGCTCTCTTTAGACATTCGAAGCCCAAAACCGATCAGGTGTAACCATAGAGCCCTATC 1500
1441 DB |||||
1441 QY GACGCTCTCTTTAGACATTCGAAGCCCAAAACCGATCAGGTGTAACCATAGAGCCCTATC 1500
1441 DB |||||
1501 QY TCTATATTTTAAAGTGTTGTTCTGATTTCCATGTTATATGAGTGTTGTTGTTGTA 1560
1501 DB |||||
1501 QY TCTATATTTTAAAGTGTTGTTCTGATTTCCATGTTATATGAGTGTTGTTGTTGTA 1560
1501 DB |||||
1561 QY TGTGTGCGGTGTATCTAGCCCTCATAAACAGGACTTTGAAGACACTTTGGCTCAGAGA 1620
1561 DB |||||
1561 QY TGTGTGCGGTGTATCTAGCCCTCATAAACAGGACTTTGAAGACACTTTGGCTCAGAGA 1620
1561 DB |||||
1621 QY CCCAACTGCTCAAAAGGCACAAAGCCACTAGTGAGAGAAATCTTTTGAAGGGACTCAAACT 1680
1621 DB |||||
1621 QY CCCAACTGCTCAAAAGGCACAAAGCCACTAGTGAGAGAAATCTTTTGAAGGGACTCAAACT 1680
1621 DB |||||
1681 QY TTACAAGAAAGGATGTTTCTGCAGATTTGTATCTTAGACCGGCCATTTGGTGGTGAG 1740
1681 DB |||||
1681 QY TTACAAGAAAGGATGTTTCTGCAGATTTGTATCTTAGACCGGCCATTTGGTGGTGAG 1740
1681 DB |||||
1741 QY GAACCACTGTGTTGTTCTGTGAGCTTTCTGTTGTTCTCGGAGGGAGGGTCAAGTGGG 1800
1741 DB |||||
1741 QY GAACCACTGTGTTGTTCTGTGAGCTTTCTGTTGTTCTCGGAGGGAGGGTCAAGTGGG 1800
1741 DB |||||
1801 QY GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTTCTGCTCTCTCTGTTGTTCTTAA 1860
1801 DB |||||
1801 QY GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTTCTGCTCTCTCTGTTGTTCTTAA 1860
1801 DB |||||
1861 QY AATTTCAGAGGAGCTTTTGAGCAGGTCCTCAAACTTAAGATGCTCTTTTGAAGAAAGGAG 1920
1861 DB |||||
1861 QY AATTTCAGAGGAGCTTTTGAGCAGGTCCTCAAACTTAAGATGCTCTTTTGAAGAAAGGAG 1920
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1921 DB |||||
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1921 DB |||||
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1981 DB |||||
1981 QY CCCTTTTAAATGCTGCTCATGTAATTAATTTGCAAGTAGTAAAGTAAAGTGTCAAGTG 2040
1981 DB |||||
2041 QY TACTGCTGGCAGCGAGTGTATTAATACCAAACTCACTTTTGGTGGTGAGGTTTC 2100
2041 DB |||||
2041 QY TACTGCTGGCAGCGAGTGTATTAATACCAAACTCACTTTTGGTGGTGAGGTTTC 2100
2041 DB |||||
2101 QY TTTGTGAGAACTTGCAATTAATTTGTTGTCCTCCCTCATGTGTAGGTAGAACATTTCTTAAT 2160
2101 DB |||||
2101 QY TTTGTGAGAACTTGCAATTAATTTGTTGTCCTCCCTCATGTGTAGGTAGAACATTTCTTAAT 2160
2101 DB |||||
2161 QY GCTGTGTACCTGCTCTGCACTGTATGTTGGCATCTGTTATGCTAAAGTTTCTTGTA 2220
2161 DB |||||
2161 QY GCTGTGTACCTGCTCTGCACTGTATGTTGGCATCTGTTATGCTAAAGTTTCTTGTA 2220
2161 DB |||||
2221 QY CATGAACCCCTGGAAGACCTACTACAAAAGAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
2221 DB |||||
2221 QY CATGAACCCCTGGAAGACCTACTACAAAAGAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
2221 DB |||||
2281 QY CTCAATTTTGTCTTTTAAAGAAAGACAAATCCACCCAGTAATATTGCCCTTACGTAGT 2340
2281 DB |||||
2281 QY CTCAATTTTGTCTTTTAAAGAAAGACAAATCCACCCAGTAATATTGCCCTTACGTAGT 2340
2281 DB |||||
2341 QY TGTTTACCAATTTCAAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2341 DB |||||
2341 QY TGTTTACCAATTTCAAAGCTCAAAATAGAAATTTGAAGCCCTCTCACAAAATCTGTGATT 2400
2341 DB |||||
2401 QY AATTGCTTAAATAGAGCTTCTATCCCTCAAGCTTACCTACCATAAAACCCAGCCATATTA 2460
2401 DB |||||
2401 QY AATTGCTTAAATAGAGCTTCTATCCCTCAAGCTTACCTACCATAAAACCCAGCCATATTA 2460
2401 DB |||||
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2461 QY CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTTACGTTTGTAGTAAGTGAGATCCAAGC 2520
2461 DB |||||
2461 QY CTGATACTGTTTCAGTGCATTTAGCCAGGAGACTTTACGTTTGTAGTAAGTGAGATCCAAGC 2520
2461 DB |||||
2521 QY AGACGTGTTTAAATCAGCACTCTCTGAGCTGGAAATTTAAAGATTTGAAGGGTAGACTACTT 2580
2521 DB |||||
2521 QY AGACGTGTTTAAATCAGCACTCTCTGAGCTGGAAATTTAAAGATTTGAAGGGTAGACTACTT 2580
2521 DB |||||
2581 QY TTTCTTTTCTTACTCAAAAGTTTAGAGAATCTCTGTTTCTTCTTCTTCAATTTTAAAAACATATT 2640
2581 DB |||||
2581 QY TTTCTTTTCTTACTCAAAAGTTTAGAGAATCTCTGTTTCTTCTTCTTCAATTTTAAAAACATATT 2640
2581 DB |||||
2641 QY TTAAGATAATAGCATAAAGACTTTTAAAAATGTTCCCTCCCTCCCATCTTCCACACCCAGT 2700
2641 DB |||||
2641 QY TTAAGATAATAGCATAAAGACTTTTAAAAATGTTCCCTCCCTCCCATCTTCCACACCCAGT 2700
2641 DB |||||
2701 QY CACCAGCACTGATTTTCTGTCCACCAAGACAATGATTTCTTGTATTGAGGCTGTGCTT 2760
2701 DB |||||
2701 QY CACCAGCACTGATTTTCTGTCCACCAAGACAATGATTTCTTGTATTGAGGCTGTGCTT 2760
2701 DB |||||
2761 QY TTGTGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTTGGTTTAAAAAGAAA 2816
2761 DB |||||
2761 QY TTGTGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTTGGTTTAAAAAGAAA 2816
2761 DB |||||
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RESULT 11
US-10-393-567-27
; Sequence 27, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-567-27
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Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCCTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60
DB 1 TCCTTGATATCAAGACAGTTGAAGGAAATGAATTTTGAACCTTCACGGTGTGCCACCT 60

QY 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTCGTAGAACCCAGCTCAATTTCTCTGG 120
DB 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTCGTAGAACCCAGCTCAATTTCTCTGG 120

QY 121 AAAGAAGTTATTACCGATCCACATGTCCAGAGCACAGACAAATGAATTCCTCAGT 180
DB 121 AAAGAAGTTATTACCGATCCACATGTCCAGAGCACAGACAAATGAATTCCTCAGT 180

QY 181 CCAGAGTTTTCAGCATATCTGGGATTTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240
DB 181 CCAGAGTTTTCAGCATATCTGGGATTTTCTGGAAACAGCCTATATGTTTCAGTTCAGCCC 240

QY 241 ATTGACTTGAACCTTTTGGATGAACCATCAGAAGATGTCGCGACAAACAGATTGAGATT 300
DB 241 ATTGACTTGAACCTTTTGGATGAACCATCAGAAGATGTCGCGACAAACAGATTGAGATT 300

QY 301 AGCATGGACTGTATCCGATGACGAGGACTCGGACCTGAGTACCCCATGTGCGCCACAGTAC 360
DB 301 AGCATGGACTGTATCCGATGACGAGGACTCGGACCTGAGTACCCCATGTGCGCCACAGTAC 360
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DB 361 ACGAACCTGGGGCTCCTGAAACAGCATGAGACAGACAGATTCAGAACGGCTCCTCGTCCACC 420
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DB 421 AGTCCCTATAACACAGACACCGCAGAACAGCGTCAAGCGGCCCTCGCCCTACGCACAG 480
QY 481 CCCAGCTCCACTTTCGATGCTCTCTCCATCACCCCGCATCCCTCCAAACACCGACTAC 540
DB 481 CCCAGCTCCACTTTCGATGCTCTCTCCATCACCCCGCATCCCTCCAAACACCGACTAC 540
QY 541 CCAGCGCCGACAGTTTCGAGTGTCTTCCAGCAGTGCAGACCGCCAAAGTCGGCCACC 600
DB 541 CCAGCGCCGACAGTTTCGAGTGTCTTCCAGCAGTGCAGACCGCCAAAGTCGGCCACC 600
QY 601 TGGACGTTATCCACTGAACTCAAGAACTCTACTGCCAAATTTGCAAGACATGCCCATC 660
DB 601 TGGACGTTATCCACTGAACTCAAGAACTCTACTGCCAAATTTGCAAGACATGCCCATC 660
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DB 661 CAGATCAAGGTGATGACCCCACTCCTCAGGGAGCTGTTATCCGCGCCATGCCCTGTCTAC 720
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DB 721 AAAAAAGCTGAGCAGTCAAGGAGTGTGAAGCGGTGCCCCAACCATGAGTGCAGCGT 780
QY 781 GAATTCAGAGGACAGATGCCCCCTCTAGTCAATTTGATTCAGTAGAGGGAACAGC 840
DB 781 GAATTCAGAGGACAGATGCCCCCTCTAGTCAATTTGATTCAGTAGAGGGAACAGC 840
QY 841 CATGCCAGTATGTAGAGATCCCATCACAGGAACAGAGTGTGCTGCTACCTTATGAG 900
DB 841 CATGCCAGTATGTAGAGATCCCATCACAGGAACAGAGTGTGCTGCTACCTTATGAG 900
QY 901 CCACCCAGGTGCGCATGAAATTCACAGACAGTCTTTACAAATTTTCATGTGTAAACAGCAGT 960
DB 901 CCACCCAGGTGCGCATGAAATTCACAGACAGTCTTTACAAATTTTCATGTGTAAACAGCAGT 960
QY 961 TGTGTTGGAGGATGAACCGGTCCTTAATTAATCAATTTACTCTGGAACAGAGAT 1020
DB 961 TGTGTTGGAGGATGAACCGGTCCTTAATTAATCAATTTACTCTGGAACAGAGAT 1020
QY 1021 GGGCAAGTCTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTCCCGCAGGAAGAGAC 1080
DB 1021 GGGCAAGTCTGGGCCGACGCTGCTTTGAGGCCCGGATCTGTGCTTCCCGCAGGAAGAGAC 1080
QY 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGACGGT 1140
DB 1081 AGGAAGCGGATGAAGATAGCATCAGAAAGCAGCAAGTTTCGGACAGTACAAAGACGGT 1140
QY 1141 GATGTTACGAAGCGCCGTTTCGTCAGAACACATGTTATCCAGTACATCCATCAAG 1200
DB 1141 GATGTTACGAAGCGCCGTTTCGTCAGAACACATGTTATCCAGTACATCCATCAAG 1200
QY 1201 AAACGAAGATCCCAGATGATGAATCTTATCTTACAGTGAAGGCCGCTGAGACTTAT 1260
DB 1201 AAACGAAGATCCCAGATGATGAATCTTATCTTACAGTGAAGGCCGCTGAGACTTAT 1260
QY 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAATCTATGAGTACCTTCTCAGCACACA 1320
DB 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTGGAATCTATGAGTACCTTCTCAGCACACA 1320
QY 1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGTCTTCCAGAAACATCTC 1380
DB 1321 ATTGAACGTTACAGGCAACAGCAACAGCAGCAGCAGCAGTCTTCCAGAAACATCTC 1380
QY 1381 CTTTCAGCCTGCTTCAGGAATGAGTGTGAGCCCGGAGAGAACTCCAAACAACTCT 1440
DB 1381 CTTTCAGCCTGCTTCAGGAATGAGTGTGAGCCCGGAGAGAACTCCAAACAACTCT 1440
QY 1441 GACGCTCTCTTTAGACATTCGAAGCCCCCAACCGATCAGTGTACCCATAGAGCCCTATC 1500

DB 1441 GACGCTCTCTTTAGACATTCGAAGCCCCCAACCGATCAGTGTACCCATAGAGCCCTATC 1500
QY 1501 TCTATATTTTAAAGTGTGTGTATTTCCATGTGTATATGTAGTGTGTGTGTGTGT 1560
DB 1501 TCTATATTTTAAAGTGTGTGTATTTCCATGTGTATATGTAGTGTGTGTGTGTGT 1560
QY 1561 TGTGTGCGGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTTGGCTCAGAGA 1620
DB 1561 TGTGTGCGGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTTTGGCTCAGAGA 1620
QY 1621 CCMACTGCTCAAAGGCAAAAGCCACTAGTGAAGAAATCTTTTGAAGGGAAGTCAAACT 1680
DB 1621 CCMACTGCTCAAAGGCAAAAGCCACTAGTGAAGAAATCTTTTGAAGGGAAGTCAAACT 1680
QY 1681 TTACAAGAAAGGATGTTTTCTGCAGATTTTGTATCTTAGACCGGCCAATCGTGGGTGAG 1740
DB 1681 TTACAAGAAAGGATGTTTTCTGCAGATTTTGTATCTTAGACCGGCCAATCGTGGGTGAG 1740
QY 1741 GAACCACTGTGTTGTCTGTGAGCTTTCTGTGTTCTCGGAGGAGGGGTCAAGTGGG 1800
DB 1741 GAACCACTGTGTTGTCTGTGAGCTTTCTGTGTTCTCGGAGGAGGGGTCAAGTGGG 1800
QY 1801 GAAAGGGGCAATTAAGATGTTTATTGGAACCCCTTTTCTGTCTTCTGTGTTTCTTAA 1860
DB 1801 GAAAGGGGCAATTAAGATGTTTATTGGAACCCCTTTTCTGTCTTCTGTGTTTCTTAA 1860
QY 1861 AATTTCAGAGGAAGCTTTTTCAGCAGGCTCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920
DB 1861 AATTTCAGAGGAAGCTTTTTCAGCAGGCTCTCAAACTTAAGATGCTCTTTTAAAGAAAGGAG 1920
QY 1921 AAAAAAGTTGTTATTTGTCTGTCATTAAGTAAGTTGTAGTGAAGTCAAGTGTCAAGTG 2040
DB 1921 AAAAAAGTTGTTATTTGTCTGTCATTAAGTAAGTTGTAGTGAAGTCAAGTGTCAAGTG 2040
QY 2041 TACTGTGGGACGAGGAGTCAATTTACCAAAAAGTAACTTTTGGGGTGGAGAGTTC 2100
DB 2041 TACTGTGGGACGAGGAGTCAATTTACCAAAAAGTAACTTTTGGGGTGGAGAGTTC 2100
QY 2101 TTTGTGAGAACTTGTGCTTCT 2160
DB 2101 TTTGTGAGAACTTGTGCTTCT 2160
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DB 2161 GCTGTGTAAGTGTGCTCTGCACTGTATGTTGGCATCTGTTATGCTAAAGTTTCTTGTGA 2220
QY 2221 CATGAACCCCTGGAAGACCTTACTACAAAAAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
DB 2221 CATGAACCCCTGGAAGACCTTACTACAAAAAACTGTTGTTGGCCCCCATAGCAGGTGAA 2280
QY 2281 CTCAATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAAATATTGCCCTTACGTAGT 2340
DB 2281 CTCAATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAAATATTGCCCTTACGTAGT 2340
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QY 2401 AATTTCGCTTAAATTAGAGCTTCTATCCCTCAAGCTTACCTACCAATAAAACAGCCATATTA 2460
DB 2401 AATTTCGCTTAAATTAGAGCTTCTATCCCTCAAGCTTACCTACCAATAAAACAGCCATATTA 2460
QY 2461 CTGATCTGTTTCAAGTGCATTTAGCCAGGAGACTTACGTTTGTAGTGAAGTGAAGTCCAAAGC 2520
DB 2461 CTGATCTGTTTCAAGTGCATTTAGCCAGGAGACTTACGTTTGTAGTGAAGTGAAGTCCAAAGC 2520
QY 2521 AGACGTTTAAATACAGCACTCTGACCTGGAAATTTAAAGATTTGAAGGGGTAGACTCTT 2580

Db 2521 AGACGTGTTAAATCAGCACTCTCGAGCTGGAAATTAAGATTGAAAGGCTAGACTACTT 2580
Qy TTCTTTTCTTTTACTCAAAAGTTTAGAGAACTCTCTGTTTCTTTCCATTTTAAACAATATT 2640
Db 2581 TTCTTTTCTTTTACTCAAAAGTTTAGAGAACTCTCTGTTTCTTTCCATTTTAAACAATATT 2640
Qy 2641 TTAAGATAATAGCATATAAGACTTTTAAAAATGTTTCTCTCCCTCCATCTTCCACACCCAGT 2700
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Qy 2701 CACCAGCACTGATTTTCTGTCCACCAAGCAATGATTTCTGTTATTTAGGCTGTTGCTT 2760
Db 2701 CACCAGCACTGATTTTCTGTCCACCAAGCAATGATTTCTGTTATTTAGGCTGTTGCTT 2760
Qy 2761 TTGTGGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTGGTTTAAAGAAA 2816
Db 2761 TTGTGGATGTGATTTTAAATTTTCAATAAACTTTTGCATCTTGGTTTAAAGAAA 2816

RESULT 12
US-10-393-567-64
; Sequence 64, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-393-567-64

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCGTTGATATCAAGACAGTTGAAGAAATGAAATTTTGAACCTTCACGGTGTGCCACCT 60
Db 1 TCGTTGATATCAAGACAGTTGAAGAAATGAAATTTTGAACCTTCACGGTGTGCCACCT 60
Qy 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Db 61 ACAGTACTGCCCTGACCCCTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAAGAAATTTATTACCGATCCACCATGTCCAGAGCACAGACAATGAATTCCTCAGT 180
Db 121 AAAGAAATTTATTACCGATCCACCATGTCCAGAGCACAGACAATGAATTCCTCAGT 180
Qy 181 CCAGAGGTTTCCAGCATATCTGGATTTTCTGGAACAGCTATATGTTTCAGTTCAGCCC 240
Db 181 CCAGAGGTTTCCAGCATATCTGGATTTTCTGGAACAGCTATATGTTTCAGTTCAGCCC 240
Qy 241 ATTGACTTTGAACCTTTGTGGATGAACCATCAAGAGATGGTGGCAAAACAAGATTGAGATT 300
Db 241 ATTGACTTTGAACCTTTGTGGATGAACCATCAAGAGATGGTGGCAAAACAAGATTGAGATT 300
Qy 301 AGCATGGACTGTATCCGCATCGAGGACTCCGACTGAGTGCACCCCATGTGCCACAGTAC 360
Db 301 AGCATGGACTGTATCCGCATCGAGGACTCCGACTGAGTGCACCCCATGTGCCACAGTAC 360
Qy 361 ACGAACCTGGGGTCTCTGAACAGCATGGACAGCATTCAGAACGGCTCTCTGTCACCC 420
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Qy 421 AGTCCCTTAAACACAGACACCGCGAGAACAGCGTTCACGGCGCCCTCGCCCTACGCACAG 480

Db 421 AGTCCCTTAAACACAGACACCGCGAGAACAGCGTTCACGGCGCCCTCGCCCTACGCACAG 480
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Db 481 CCAGAGTCCACACCTTCCGATGCTCTCTCTCATACACCGCCCATCCCTCCACACCGACTAC 540
Qy 541 CCAGGCCCCGACAGATTTCCGACGTGCTCTTCCAGCAGTCGAGCACCCCAAGTCGGCCACC 600
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Qy 601 TGGACGTATTCCACTCACTGAAGAACTCTACTGCAAAATTCGAAGACATGCCCCATC 660
Db 601 TGGACGTATTCCACTCACTGAAGAACTCTACTGCAAAATTCGAAGACATGCCCCATC 660
Qy 661 CAGATCAAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
Db 661 CAGATCAAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
Qy 721 AAAAAAGCTGAGCACTGACGAGGTGTTGAAGCGGTGCCCCCAACCATGAGCTGAGCCGT 780
Db 721 AAAAAAGCTGAGCACTGACGAGGTGTTGAAGCGGTGCCCCCAACCATGAGCTGAGCCGT 780
Qy 781 GAAATCAACGAGGACAGATTTGCCCTCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
Db 781 GAAATCAACGAGGACAGATTTGCCCTCTCTAGTCAATTTGATTCGAGTAGAGGGAACAGC 840
Qy 841 CATGCCAGTATGTAGAAGATCCCATCAAGAGACAGAGTGTGCTGTTACCTTATGAG 900
Db 841 CATGCCAGTATGTAGAAGATCCCATCAAGAGACAGAGTGTGCTGTTACCTTATGAG 900
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Db 901 CCAACCCAGTTGGCACTGAAATTCACGACAGTCTTGTACAATTTTCAATTTTCAACAGCAGT 960
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Db 1081 AGGAAGCGGATGAAGATAGCATTCAGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGT 1140
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Qy 1261 GAAATGCTGTTGAAGATCAAGAGTCCCTTGGAACTCATGAGTACCTTCTCTCAGCACACA 1320
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Db 1381 CTTTTCAGCCTGCTTTCAGGAAATGAGCTTGTGGAGCCCCGGAGAGAACTTCCAAAACATCT 1440
Qy 1441 GACGCTCTTTAGACATTTCCAGGCCCCCAACCGATCAGTGTACCCATAGAGCCCTATC 1500
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Db 1501 TCTATATTTTAAAGT 1560


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Db 1621 CCCAACTGCTCAAGGGCAAAAGCCACTAGTGTAGAGAAATCTTTTGAAGGACTCAAAACCT 1680
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Qy 1921 AAAAAAGTTGTTATTGTCTGTCATAAGTAAAGTTGTAGTGACTGAGAGACTCAGTCAGA 1980
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Db 2041 TACTGCTGGCAGCGAGTGATCAATACCAAAAGTAATCAACTTTGGTGGGAGAGTTC 2100
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Qy 2281 CTCATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCAGTAATATTTGCCCTTACGTAGT 2340
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Db 2401 AATTGCTTAATAGAGCTTCTATCCCTCAAGCCTACCTACCAATAAACCCAGCCATATTA 2460
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Db 2521 AGACGTGTTAAATCAGCACTCTCTGGACTGGAATAATTAAGATTTGAAAGGGTAGACTACTT 2580
Qy 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAAATCTCTGTTTCTTTTCCATTTTAAAAACATATT 2640
Db 2581 TTCTTTTTTTTACTCAAAAGTTTAGAGAAATCTCTGTTTCTTTTCCATTTTAAAAACATATT 2640
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Qy 2701 CACCAGCACTGTATTTTCTGTGCACCAAGACAAATGATTTCTTGTTATTGAGGCTGTGCTT 2760
Db 2701 CACCAGCACTGTATTTTCTGTGCACCAAGACAAATGATTTCTTGTTATTGAGGCTGTGCTT 2760
Qy 2761 TTGTGGATGTGTGATTTTAAATTTTCAATAAATTTTTCATCTCTGTTTAAAGAAA 2816
Db 2761 TTGTGGATGTGTGATTTTAAATTTTCAATAAATTTTTCATCTCTGTTTAAAGAAA 2816
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RESULT 13

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US-10-393-567-65
; Sequence 65, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
; US-10-393-567-65
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Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 TCGTGTGATATCAAGACAGTTGAAGGAAATGAAATTTTGAACACTTCACGGTGTGCCACCT 60
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Db 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120
Qy 121 AAGAAGTTTATTACCGATCCGATGTCACAGAGCACAGACAAATGAATTCCTCAGT 180
Db 121 AAGAAGTTTATTACCGATCCGATGTCACAGAGCACAGACAAATGAATTCCTCAGT 180
Qy 181 CCAGAGTTTTCAGCATATCTGGGATTTTCTGGAAACAGCTATATGTTTCAGTTTCAGCCC 240
Db 181 CCAGAGTTTTCAGCATATCTGGGATTTTCTGGAAACAGCTATATGTTTCAGTTTCAGCCC 240
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Db 301 AGCATCGATGTATCCGATGCGAGTCCGACCTGAGTCAGCCCATGTCGCCACAGTAC 360
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Db 361 ACCAACTGGGGTCTCTGAACAGCATGGACAGAGATTTCAGAACGGCTCTCTGTCACCC 420
Qy 421 AGTCCCTATAACACAGACCAAGCCAGAGAACAGCGTTCAGCGCGCCCTCGCCCTACGCAAG 480
Db 421 AGTCCCTATAACACAGACCAAGCCAGAGAACAGCGTTCAGCGCGCCCTCGCCCTACGCAAG 480
Qy 481 CCAGCTCCACCTTTCAGTGTCTCTCCATCAGCCGCCATCCCTCCAAACACCGACTAC 540
Db 481 CCAGCTCCACCTTTCAGTGTCTCTCCATCAGCCGCCATCCCTCCAAACACCGACTAC 540
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Qy	541	CCAGGCCGCGACAGTTTTGCA	CGTGTCTCTTCCAGCAGT	CGAGGACCGCCAACTCGGCCACC	600
Db	541	CCAGGCCGCGACAGTTTTGCA	CGTGTCTCTTCCAGCAGT	CGAGGACCGCCAACTCGGCCACC	600
Qy	601	TGGACGTATTCACACTGAAGT	CTACTGCCAAATTCGAA	AGACATGCCCCATC	660
Db	601	TGGACGTATTCACACTGAAGT	CTACTGCCAAATTCGAA	AGACATGCCCCATC	660
Qy	661	CAGATCAAGGTGATGACCCCA	CTCTCAGGAGCTGTTAT	CCGCGCCATGCCTGTCTAC	720
Db	661	CAGATCAAGGTGATGACCCCA	CTCTCAGGAGCTGTTAT	CCGCGCCATGCCTGTCTAC	720
Qy	721	AAAAAGCTGACGACGTACCG	AGGTGTGTAAGCGGTGCC	CCAACTAGAGCTGAGCCGT	780
Db	721	AAAAAGCTGACGACGTACCG	AGGTGTGTAAGCGGTGCC	CCAACTAGAGCTGAGCCGT	780
Qy	781	GAAATTCACAGGGGACAGAT	TGCCCTCCTAGTCAATTT	GATTCAGATAGAGGGAA	840
Db	781	GAAATTCACAGGGGACAGAT	TGCCCTCCTAGTCAATTT	GATTCAGATAGAGGGAA	840
Qy	841	CATGCCCATGTATGTAGAAG	ATCCCATCAGAGAAACAG	AGTGTGCTTATGAG	900
Db	841	CATGCCCATGTATGTAGAAG	ATCCCATCAGAGAAACAG	AGTGTGCTTATGAG	900
Qy	901	CCACCCAGTTGGCAGCTGA	ATTCACGACAGTCTTTGA	CAATTCATGTGTAA	960
Db	901	CCACCCAGTTGGCAGCTGA	ATTCACGACAGTCTTTGA	CAATTCATGTGTAA	960
Qy	961	TGTGTTGAGGGATGAACCG	CGCTCCAAATTTAATCAT	TGTTACTCTGGAAC	1020
Db	961	TGTGTTGAGGGATGAACCG	CGCTCCAAATTTAATCAT	TGTTACTCTGGAAC	1020
Qy	1021	GGGCAAGTCTCTGGGCGCA	CGCTGTTGAGGCCCGGAT	CTCTGCTTCCAGGAAG	1080
Db	1021	GGGCAAGTCTCTGGGCGCA	CGCTGTTGAGGCCCGGAT	CTCTGCTTCCAGGAAG	1080
Qy	1081	AGGAAGCGCGATGAAGAT	PAGCATCAGAAAGCAG	AAAGTTTCGGACAGT	1140
Db	1081	AGGAAGCGCGATGAAGAT	PAGCATCAGAAAGCAG	AAAGTTTCGGACAGT	1140
Qy	1141	GATGGTACGAAGCGCCGTT	TCGTCAGAACACATG	TATCCAGATGACAT	1200
Db	1141	GATGGTACGAAGCGCCGTT	TCGTCAGAACACATG	TATCCAGATGACAT	1200
Qy	1201	AAACGAAGATCCCAGATG	ATGAATCTGTATAC	TTCACAGTGGGCGCTG	1260
Db	1201	AAACGAAGATCCCAGATG	ATGAATCTGTATAC	TTCACAGTGGGCGCTG	1260
Qy	1261	GAAATGCTGTTGAAGATCA	AAAGAGTCCCTGGAACT	CATGCACTTCTCAGCAC	1320
Db	1261	GAAATGCTGTTGAAGATCA	AAAGAGTCCCTGGAACT	CATGCACTTCTCAGCAC	1320
Qy	1321	ATTGAAAGCTACGGCAAC	AGCACAGCAGCAGCACT	TACCTCAGAACATCT	1380
Db	1321	ATTGAAAGCTACGGCAAC	AGCACAGCAGCAGCACT	TACCTCAGAACATCT	1380
Qy	1381	CTTTGAGCTGCTTCAGGA	ATGAGCTTGTGGAGCC	CGGAGAGAACTC	1440
Db	1381	CTTTGAGCTGCTTCAGGA	ATGAGCTTGTGGAGCC	CGGAGAGAACTC	1440
Qy	1441	GACGTCTTTTAGACATTC	CAAGCCCAACCGAT	CGATGTACCATAG	1500
Db	1441	GACGTCTTTTAGACATTC	CAAGCCCAACCGAT	CGATGTACCATAG	1500
Qy	1501	TCTATATTTAAGTGTGTG	TATTTTCACTGTATAT	TGTCAGTGTGTGTGT	1560
Db	1501	TCTATATTTAAGTGTGTG	TATTTTCACTGTATAT	TGTCAGTGTGTGTGT	1560
Qy	1561	TGTGTGCGGTGTGTATCT	AGCCCTCATAAACAG	AGCTTGAAGACATTT	1620
Db	1561	TGTGTGCGGTGTGTATCT	AGCCCTCATAAACAG	AGCTTGAAGACATTT	1620
Qy	1621	CCCAACTGCTCAAAAGG	CAAAAGCCACTAGT	GAGAGAACTTTTGA	1680

1621	DB	CCCAACTGCTCAAAGGACAAAGCCCACTAGTGAGAAATCTTTTGAAGGGCACTCAAACTT	1681
1681	QY	TTACAAGAAAGGATGTTTTCTGCAGATTTTGTATCCTTAGACCGGCATTTGGTGGGTGAG	1740
1681	DB	TTACAAGAAAGGATGTTTTCTGCAGATTTTGTATCCTTAGACCGGCATTTGGTGGGTGAG	1740
1741	QY	GAACCACTGTGTTGTCTGTGAGCTTCTGTGTTTCTCGGAGGAGGGGTGAGGTGGG	1800
1741	DB	GAACCACTGTGTTGTCTGTGAGCTTCTGTGTTTCTCGGAGGAGGGGTGAGGTGGG	1800
1801	QY	GAAGGGGCATTAAGATGTTTATTTGAAACCTTTTCTGTCTTCTTCTGTGTTTTTCTAA	1860
1801	DB	GAAGGGGCATTAAGATGTTTATTTGAAACCTTTTCTGTCTTCTTCTGTGTTTTTCTAA	1860
1861	QY	AATTCAAGGGAAGCTTTTTCAGCAGGTCTCAAACTTTAAGATGTCCTTTTAAAGAAAAGGAG	1920
1861	DB	AATTCAAGGGAAGCTTTTTCAGCAGGTCTCAAACTTTAAGATGTCCTTTTAAAGAAAAGGAG	1920
1921	QY	AAAAAAGTTCTTATTTGTCTGTGATAAGTAAGTTGTAGTGTACTGAGAGACTCAGTCAGA	1980
1921	DB	AAAAAAGTTCTTATTTGTCTGTGATAAGTAAGTTGTAGTGTACTGAGAGACTCAGTCAGA	1980
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1981	DB	CCCTTTTAATGCTGGTCATGTAATAATATTTGCAAGTAGTAAGNAACGAAGGTGTCAGTG	2040
2041	QY	TACTGCTGGCAGCAGGTGATCATTTACCAAAAGTAATCAACTTTGTGGGTGGAGAGTTTC	2100
2041	DB	TACTGCTGGCAGCAGGTGATCATTTACCAAAAGTAATCAACTTTGTGGGTGGAGAGTTTC	2100
2101	QY	TTTTGTGAGAACTTTGCATTAATTTGTGTCCTCCCTCATGTGTAGGTAGAACATTTCTTAAT	2160
2101	DB	TTTTGTGAGAACTTTGCATTAATTTGTGTCCTCCCTCATGTGTAGGTAGAACATTTCTTAAT	2160
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2161	DB	GCTGTGTACCTGCTCTGCCACTGTATGTTGGCATCTGTTATGCTAAAGTTTTTCTTGTA	2220
2221	QY	CATGAAACCCCTGGAAGACCTACTACAAAAAAACCTGTTTGGCCCCCCTACGAGGTGAA	2280
2221	DB	CATGAAACCCCTGGAAGACCTACTACAAAAAAACCTGTTTGGCCCCCCTACGAGGTGAA	2280
2281	QY	CTCATTTGTGCTTTTAAATAGAAAGACAAATCCACCCCACTAATATTGCCCTTACGTAGT	2340
2281	DB	CTCATTTGTGCTTTTAAATAGAAAGACAAATCCACCCCACTAATATTGCCCTTACGTAGT	2340
2341	QY	TGTTTACCATTATTTCAAGCTCAAAATAGNAATTTGAAGCCCTCTCAAAAAATCTGTGATT	2400
2341	DB	TGTTTACCATTATTTCAAGCTCAAAATAGNAATTTGAAGCCCTCTCAAAAAATCTGTGATT	2400
2401	QY	AATTTGCTTAATTTAGAGCTTCTATCCTCAAGCTTACCTACCAATAAAACGAGCATATTA	2460
2401	DB	AATTTGCTTAATTTAGAGCTTCTATCCTCAAGCTTACCTACCAATAAAACGAGCATATTA	2460
2461	QY	CTGATACCTGTTACGTGCATTTAGCCAGGAGACTTACGTTTTGAGTAAGTGAGATCCAAGC	2520
2461	DB	CTGATACCTGTTACGTGCATTTAGCCAGGAGACTTACGTTTTGAGTAAGTGAGATCCAAGC	2520
2521	QY	AGAGGTGTTAAATCAGCAGCTCTCTGAGCTGGAAATTTAAAGATTGAAGGGTAGACTACTT	2580
2521	DB	AGAGGTGTTAAATCAGCAGCTCTCTGAGCTGGAAATTTAAAGATTGAAGGGTAGACTACTT	2580
2581	QY	TTCTTTTTTTTACTCAAAAGTTTAGAGAATCTCTGTTTTCTTCCATTTTAAAAACATATT	2640
2581	DB	TTCTTTTTTTTACTCAAAAGTTTAGAGAATCTCTGTTTTCTTCCATTTTAAAAACATATT	2640
2641	QY	TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCATCTTCCACACCCAGT	2700
2641	DB	TTAAGATAATAGCATAAAGACTTTAAAAATGTTTCTCCCTCCATCTTCCACACCCAGT	2700
2701	QY	CACGAGCACTGTAATTTCTGTGCACCAAGCAATGATTTCTTGTATTGAGGCTGTGCTT	2760

Db 2701 CACCAGCACTGTATTTTCTGTCCACCAAGCAATGATTTCTTGTATTAGGCTGTTCCTT 2760
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Db 2761 TTGTGGATGTGTGATTTTAAATTTTCAATAAATTTTTCATCTTGTGTTTAAAGAAA 2816

RESULT 14
US-10-394-087-26
; Sequence 26, Application US/10394087
; Publication No. US20030194734A1
; GENERAL INFORMATION: Tim
; APPLICANT: Jakoe, Tim
; TITLE OF INVENTION: SELECTION OF MARKERS
; FILE REFERENCE: CDS 265 US NP
; CURRENT APPLICATION NUMBER: US/10/394,087
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,790
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-394-087-26

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 ACAGTACTGCCCTGACCTTTACATCCAGCGTTTCGTAGAAACCCAGCTCATTTCTCTGG 120

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Db 121 AAGAAAGTTATTACCGATCCACATGTCCTCCAGGACACAGACAAATGAATTTCTTCAGT 180

Qy 181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGGAACAGCGCTATATGTTTCAGTTCAGCCC 240
Db 181 CCAGAGGTTTCCAGCATATCTGGGATTTTCTGGAACAGCGCTATATGTTTCAGTTCAGCCC 240

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Db 241 ATTGACTTGAATTTTGGGATGAACCATCAGAAAGATGGTGGCAGAAACAGATTGAGATT 300

Qy 301 AGCATGGACTGTATCCGCATGCGAGGACTCGGACTGAGTGACCCCATGTGGCCACAGTAC 360
Db 301 AGCATGGACTGTATCCGCATGCGAGGACTCGGACTGAGTGACCCCATGTGGCCACAGTAC 360

Qy 361 ACCAACTGGGGTCTCTGAACAGCATGGACACAGATTTCAGAACCGCTCTCGTCCACC 420
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Qy 421 AGTCCCTATAACACAGACACCGCGAGAACAGCGTTCAGCGCGCTTCGCCCTACGCACAG 480
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Qy 541 CCAGGCCCCACAGTTTTCAGCTGTCTCTCCAGCTTCAGACACCGCAAGTCGGCCACC 600
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Db 661 CAGATCAAGGTGATGATGACCCCACTCTCCTCAGGAGCTGTTATCCGCCCATGCCCTGTCTAC 720

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Qy 841 CATGCCCAAGTATGTAGAAGATCCCATCACAGGAAGACAGAGTGTGCTGGTACCTTATGAG 900
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Qy 901 CCACCCCAAGTTGGCACTGAAATTCACGACAGTCTTGTACAAATTTTCATGTTTAACAGCAGT 960
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Db 1141 GATGTPACAAAGCGCCGCTTCGTTCAGAACACACATGGTATCCAGATGACATCCATCAAG 1200

Qy 1201 AAACGGAAGATCCCGAGATGATGAATTTTAACTTACCAAGTGGGGCGGTGAGACTTAT 1260
Db 1201 AAACGGAAGATCCCGAGATGATGAATTTTAACTTACCAAGTGGGGCGGTGAGACTTAT 1260

Qy 1261 GAAATCTCTTTGAAGATCAAGAGATCCCTTGGAACTCATGCAGTACCTTCTTCAGCACACA 1320
Db 1261 GAAATCTCTTTGAAGATCAAGAGATCCCTTGGAACTCATGCAGTACCTTCTTCAGCACACA 1320

Qy 1321 ATTGAAAACCTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380
Db 1321 ATTGAAAACCTACAGGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1380

Qy 1381 CTTTCAGCTCTTCAGGAACTGAGCTTGTGGAGCCCGGAGAGAACTCCAAAACAACTCT 1440
Db 1381 CTTTCAGCTCTTCAGGAACTGAGCTTGTGGAGCCCGGAGAGAACTCCAAAACAACTCT 1440

Qy 1441 GACGCTCTTCTTTAGACATTTCCAAAGCCCCCAACCCGATCAGTGTACCCATAGAGCCCTATC 1500
Db 1441 GACGCTCTTCTTTAGACATTTCCAAAGCCCCCAACCCGATCAGTGTACCCATAGAGCCCTATC 1500

Qy 1501 TCTATATTAAAGTGTGTGTTGTTTTCATGTGTATATGTGAGTGTGTGTGTGTA 1560
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Qy 1561 TGTGTGTGGTGTGTATCTAGCCCTCATAAACAGGACTTGAAGACACTTGGCTCAGAGA 1620
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Db 1621 CCCAACTGCTCAAGGCAACAAAGCCACTAGTAGAGAACTCTTTTGAAGGAGCTCAAAACCT 1680

Qy 1681 TTACAAGAAAGATGTTTTCAGATTTTGTATCTTACAGCCGCAATGGTGGGTGAG 1740
Db 1681 TTACAAGAAAGATGTTTTCAGATTTTGTATCTTACAGCCGCAATGGTGGGTGAG 1740

1741 QY GAACCACTGTGTTGTTCTGTGAGCTTTCTGTGTTCTCTGGAGGAGGGGTCAAGTGGG 1800
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1801 QY GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTCTGCTTCTGCTGTTGTTTCTAA 1860
1801 Db GAAAGGGGCAATTAAGATGTTTATTTGGAACCCCTTTCTGCTTCTGCTGTTGTTTCTAA 1860
1861 QY AATTCAAGGGAAGCTTTTGAGCAGGTCTCAAACTTAAGATGTTCTTTTAAAGAAAGGAG 1920
1861 Db AATTCAAGGGAAGCTTTTGAGCAGGTCTCAAACTTAAGATGTTCTTTTAAAGAAAGGAG 1920
1921 QY AAAAAAGTTGTTATTTCTGTGTCATTAAGTAAGTTGAGTGACTGAGAGACTCAGTCACA 1980
1921 Db AAAAAAGTTGTTATTTCTGTGTCATTAAGTAAGTTGAGTGACTGAGAGACTCAGTCACA 1980
1981 QY CCTTTTAATGCTGGTCATGTAATAATATTTGCAAGTAGTAAGAAACGAAGGTGCAAGTG 2040
1981 Db CCTTTTAATGCTGGTCATGTAATAATATTTGCAAGTAGTAAGAAACGAAGGTGCAAGTG 2040
2041 QY TACTGCTGGCAGCAGGTGATCATTTACAAAAGTAATCAACTTTGTGGGTGGAGAGTTC 2100
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2101 QY TTTGTGAGAACTTGCAATTAATTTGTGTCCTCCCTCATGTGAGTAGTAAGACATTTCTTAAT 2160
2101 Db TTTGTGAGAACTTGCAATTAATTTGTGTCCTCCCTCATGTGAGTAGTAAGACATTTCTTAAT 2160
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2161 Db GCTGTGTACCTGCTCGCCACTGTATGTTGGCATCTGTTATGCTAAAGTTTTCTTGTA 2220
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2281 QY CTCATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCCAAGTAATATGTCCTTACGTAGT 2340
2281 Db CTCATTTTGTGCTTTTAAATAGAAAGACAAATCCACCCCAAGTAATATGTCCTTACGTAGT 2340
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2461 Db CTGATACCTGTCAGTGCAATTTAGCCAGGAGACTTACGTTTGTAGTAAGTGAGATCCAGC 2520
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2701 QY CACCAGCACTGATTTTCTGTCAACAGCAATGATTTCTTGTATTTAGAGGCTGTTGCTT 2760
2701 Db CACCAGCACTGATTTTCTGTCAACAGCAATGATTTCTTGTATTTAGAGGCTGTTGCTT 2760
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2761 Db TTGTGATGTGATTTTAAATTTTCAATAAAATTTTGCATCTTTGGTTTAAAAAGAAA 2816

RESULT 15
US-10-394-087-27
; Sequence 27, Application US/10394087
; Publication No. US20030194734A1
; GENERAL INFORMATION:
; APPLICANT: Jatko, Tim
; TITLE OF INVENTION: SELECTION OF MARKERS
; FILE REFERENCE: CDS 265 US NP
; CURRENT APPLICATION NUMBER: US/10/394,087
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,790
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: human
US-10-394-087-27

Query Match 100.0%; Score 2816; DB 16; Length 2816;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2816; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 361 ACGAACCTGGGGCTCTCTGAACAGCATGGACAGCAGATTTCAGAAAGGCTCCTCGTCCACC 420
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QY 421 AGTCCCTATAACACAGACACCGCGCAGAACAGCGCTCAGCGCCCTTCGCCCTACGCACAG 480
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Qy	1081	AGGAAGCGGGATGAAGATAG	CATCAGAAAGCAGCAAGTT	TCGGACAGTCAAAAGAACCGT	1140
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Qy	1741	GAACCACTGTTTGTCTGT	GAGCTTCTGTGTTTCT	TGTCGGAGGGAGGGGTGAGTGGG	1800
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Search completed: October 3, 2005, 14:01:42
Job time : 2192 secs

GenCore version 5.1.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 3, 2005, 06:01:58 ; Search time 247 Seconds
(without alignments)
2967.822 Million cell updates/sec

Title: US-09-670-568C-1
Perfect score: 2383
Sequence: 1 MSQSTQTNBFLSPVQHIW.....PKQSDVFFRRHKKPNRSVYP 448

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB-Issued Patents NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09670568@cgn1.1.177@runat_03102005_070150_24303 -NCPU=6 -ICPU=3
-NO MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCKS=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- Issued Patents NA.*
- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2383	100.0	2810	4	US-09-949-016-5447
2	2383	100.0	2816	3	Sequence 5447, App
3	2383	100.0	2816	4	Sequence 333, App
4	2383	100.0	2816	4	US-09-542-615A-333
5	2383	100.0	2816	4	US-09-606-421B-333
6	2185	91.7	1551	3	US-09-630-940B-333
7	2185	91.7	1551	3	Sequence 337, App
8	2185	91.7	1551	4	US-09-542-615A-337
9	2185	91.7	1551	4	US-09-606-421B-337
10	2185	91.7	2270	3	US-09-630-940B-337
11	2185	91.7	2270	4	US-09-643-597-332
12	2185	91.7	2270	4	US-09-542-615A-332
					Sequence 332, App

13	2185	91.7	2270	4	US-09-630-940B-332	Sequence 332, App
14	2185	91.7	4849	3	US-09-643-597-335	Sequence 335, App
15	2185	91.7	4849	4	US-09-542-615A-335	Sequence 335, App
16	2185	91.7	4849	4	US-09-606-421B-335	Sequence 335, App
17	2185	91.7	4849	4	US-09-630-940B-335	Sequence 336, App
18	1813	76.1	1386	3	US-09-643-597-336	Sequence 336, App
19	1813	76.1	1386	4	US-09-542-615A-336	Sequence 336, App
20	1813	76.1	1386	4	US-09-606-421B-336	Sequence 336, App
21	1813	76.1	1386	4	US-09-630-940B-336	Sequence 334, App
22	1801.5	75.6	2082	3	US-09-643-597-334	Sequence 1, Appli
23	1801.5	75.6	2082	4	US-09-277-196-1	Sequence 334, App
24	1801.5	75.6	2082	4	US-09-542-615A-334	Sequence 334, App
25	1801.5	75.6	2082	4	US-09-606-421B-334	Sequence 331, App
26	1801.5	75.6	2082	4	US-09-630-940B-334	Sequence 331, App
27	1801.5	75.6	2082	3	US-09-643-597-331	Sequence 331, App
28	1801.5	75.6	2082	4	US-09-542-615A-331	Sequence 331, App
29	1801.5	75.6	2082	4	US-09-606-421B-331	Sequence 331, App
30	1801.5	75.6	2082	4	US-09-630-940B-331	Sequence 331, App
31	1793.5	75.3	4655	3	US-09-643-597-151	Sequence 151, App
32	1793.5	75.3	4655	4	US-09-480-884A-151	Sequence 151, App
33	1793.5	75.3	4655	4	US-09-542-615A-151	Sequence 151, App
34	1793.5	75.3	4655	4	US-09-606-421B-151	Sequence 151, App
35	1793.5	75.3	4655	4	US-09-221-107-151	Sequence 151, App
36	1793.5	75.3	4655	4	US-09-466-396A-151	Sequence 151, App
37	1793.5	75.3	4655	4	US-09-476-496A-151	Sequence 151, App
38	1793.5	75.3	4655	4	US-09-630-940B-151	Sequence 151, App
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42	753.5	31.6	1146	3	US-09-257-580-4	Sequence 44, Appli
43	724	30.4	1483	3	US-08-796-101-44	Sequence 168, App
44	724	30.4	1511	3	US-08-796-101-168	Sequence 13, Appli
45	722.5	30.3	1303	1	US-08-047-041A-13	

ALIGNMENTS

RESULT 1

US-09-949-016-5447
; Sequence 5447, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5447
; LENGTH: 2810
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5447

Alignment Scores:
Pred. No.: 1,13e-250 Length: 2810
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-949-016-5447 (1-2810)

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Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
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Db 1046 TTTGAGCCCGCATCTGTCTTCCAGGAAGAGACAGGAAGCGGATGAAGATAGCATC 1105
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1106 AGAAAGCAGCAAGTTTCGACACAGTACAAAGAACGGTGTGGTACGAAGCGCCGTTTCGT 1165
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1166 CAGACACACATGTTATCCAGATGACATCCATCAGAAACGAGATCCCCAGATGATGAA 1225
Qy 361 LeuLeuTyThrProValArgGlyArgGluThrTyThrGluMetLeuLysIleLysGlu 380
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Db 1226 CTGTTATATTACCACTGAGGGCGCGTGAAGATTAATAATGCTGTTGAAGATCAAGAG 1285
Qy 381 SerLeuGluLeuMetGlnTyThrLeuProGlnHisThrIleGluThrTyArgGlnGln 400
Db 1286 TCCCTGGAACTCATGCACTCTTCCCTCAGCACAAATTGAACCTAGCAGGCAACAGCAA 1345
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1346 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTTCAGCCTGCTTCAGGAATGAG 1405
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1406 CTTGTGGAGCCCGGAGAGAACTCCAAACAATCTGACGCTCTCTTTAGACATTTCCAAG 1465
Qy 441 ProProAsnArgSerValTyPro 448
Db 1466 CCCCCAACCCGATCATGTGTACCCA 1489

RESULT 2
US-09-643-597-333
; Sequence 333, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643.597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-333

Alignment Scores:
Pred. No.: 1,13e-250 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-643-597-333 (1-2816)
Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyrp 20
Db 145 ATGTCACAGACACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACAGCCTATATGTTTCAGTTCAGCCCATTTGACTTGAATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGGTGGCAACAAGATTGAGATTAGCATGAGTATCCGCAATGCGAG 324
Qy 61 AspSerAspLeuSerAspProMetThrProGlnTyThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGAACCCCATGTGGCCACAGTACAGAACCTGGGGCTCTCTGAACAGC 384
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QY 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
DB ATGGACACAGATTTCAGAAAGGCTCTCGTCCACAGTCCCTATTAACACAGACGCGG 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
DB CAGAACAGCGGTACGCGCGCGCTCGCTACGACAGCCAGCTCCACCTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
DB TCTCCATACCCCGCATCCCTCCAAACAGCAGTACCCAGGCGCGCACAGTTTCGACG 564
QY 141 SerPheGlnGlnSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
DB TCTTCCAGAGTCGAGACCGCCAGTGGCCACCTGGACGCTATTCCTCACTGAAGTGA 624
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
DB AAACCTCTACTGCCAAATTGCAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684
QY 181 ProGlnGlyValAlaValIleAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
DB CCTCAGGAGCTGTTATCCGCGCATGCTGCTACAAAAAGCTGAGCACCTCAGCGAG 744
QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
DB GTGGTGAACGGTGCCCAACCATGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 804
QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
DB CCTCTCTAGTCACTTGTATTCAGTAGAGGGAACAGCCATGCCAGTATGTAGAAGATCC 864
QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
DB ATCAGAGGAAGACAGAGTGTGTGTACCTTATGAGCCACCCAGCTGGCAGTGAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyMetAsnArgArg 280
DB AGACAGCTCTGTACAAATTCATGTGTACAGCAGTTGTGTGGAGGATGAACCGCGCT 984
QY 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
DB CCAATTTTAACTCATTTACTCTGGAACACAGAGATGGGCAAGTCTCGGCGCGAGCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
DB TTTGAGGCGCGGATCTGTCTGCTGCCAGGAAGAGACAGGAAGCGGATGAAGATGATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
DB AGAAGCAGCAAGTTTCGACAGTACAAAGACGGTGTGTGACGAAGCGCGCTTCTGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
DB CAGAACACACATGTTATCCAGATGATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLysGlu 380
DB CTGTTATACTTACCAGTGGGCGCGTGAGACTTATGAATGCTGTGTAAGATCAAAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
DB TCCCTGGAACTCATGACGATACCTTCTCAGCACACAAATTTGAACGTTACAGGCACAG 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
DB CAGCAGCAGCAGCAGCAGTCTTCTCAGAAACATCTCTTTCAGCCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
DB CTTGTGAGCGCGGAGAGAACTCCAAACAAATCTGAGCTCTTCTTTAGACATTTCAAAG 1464
QY 441 ProProAsnArgSerValTyrPro 448

DB 1465 CCCCCAAACCGATCAGTGTACCCA 1488

RESULT 3

US-09-542-615A-333
; Sequence 333, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-333

Alignment Scores:
Pred. No.: 1,136-250 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-542-615A-333 (1-2816)

QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
DB 145 ATGTCCTCCAGACACACAGCAATGAATTCCTCAGTCACAGAGGTTTTCAGCATATCTGG 204
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
DB 205 GATTTTCTGGAAACAGCTATATGTTTCAGTTCAGCCCATTTGACTTGAATTTGTGGATGA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
DB 265 CCATCAGAAAGATGGTGGCACAACAAAGATTGAGATTAGCATGTATCCGATGTCAG 324
QY 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
DB 325 GACTCGGACCTGAGTGACCCCGATGTGGCCACAGTACAGAACCTTGGGGCTCCTGAAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
DB 385 ATGGACACAGCATTTTCAGAAAGGCTCCTCGTCCACAGTCCCTTATAACACAGACGCGG 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
DB 445 CAGAACAGCGTTCAGGCGCGCTCGGCGCTACGACAGCCAGCTCCACCTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
DB 505 TCTCCATACCCCGCATCCCTCCAAACAGCAGTACCCAGGCGCGCACAGTTTCGACG 564
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
DB 565 TCTTTCAGCAGCTGAGCAGCAGCCCAAGTCGGCCACCTGGACGCTATTTCCACTGAAGTGA 624
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
DB 625 AAACCTCTACTGCCAAATTGCAAGACATGCCCATCCAGATCAAGGTGATGACCCACCT 684

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QY 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
DB 685 CCTCAGGGAGCTGTTATTCGGCCGATCTGCTACAAAAGCTGAGCACGTCACGGAG 744
QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
DB 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACAGGAGCAGATTGCC 804
QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
DB 805 CCTCTAGTCATTTGATTTCAGTAGAGGGAACAGCCATGCCAGTATGTAGAAGATCCC 864
QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
DB 865 ATCAGAGGAACAGAGTGTGTGTTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
DB 925 AGCACAGTCTTGTAACATTTTCATGTAAACAGCAGTGTGTGGAGGGATGAACCGCCGT 984
QY 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgCys 300
DB 985 CCAATTTTAACTTCACTTCTGGAACACAGAGATGGGCAAGTCTGGGCCGAGCCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
DB 1045 TTTGAGCCCGGATCTGTCTTGGCCAGGAAGACAGGAGGCGATGAAGATAGCATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
DB 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACCGGTGATGGTACGAAGCGCCGTTTCGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
DB 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCCATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLysIleLysGlu 380
DB 1225 CTGTTATATCTTACCACTGAGGGCCGTGAGACTTATGAATGCTGTTGAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
DB 1285 TCCTTGGAACTCATGCACTACCTTCTCAGCACACAAATTTGAAACGTACAGGCAACAGCAA 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
DB 1345 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAACATCTCTTTTCAGCCCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
DB 1405 CTGTGTGAGCCCGGAGAGAACTCCAAACAACTCTGACGCTCTCTTTTAGACATTTCCAAG 1464
QY 441 ProProAsnArgSerValTyrPro 448
DB 1465 CCCCCAACCGATCAGTGATCCCA 1488
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RESULT 4

US-09-606-421B-333

; Sequence 333, Application US/09060421B

; Patent No. 6531315

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skelky, Yasir A.W.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C9

; CURRENT APPLICATION NUMBER: US/09/606,421B

; CURRENT FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 358

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 333

; LENGTH: 2816

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-606-421B-333

Alignment Scores:

Pred. No.: 1,138-250 Length: 2816

Score: 2383.00 Matches: 448

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

US-09-670-568C-1 (1-448) x US-09-606-421B-333 (1-2816)

QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20

DB 145 ATGTCCTGAGACACACACACAAATGAATTCCTCAGTCCAGAGTTTTCAGCATATCTCG 204

QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40

DB 205 GATTTTCTGGAACACGCTATATGTTTCAGTTCAGCCCATTTGACTTGAACCTTTGTGATGAA 264

QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60

DB 265 CCATCAGAAAGATGGTGCAGCAACAAAGATTGAGATTAGCATGTGACTGTATCCGCATGCGAG 324

QY 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80

DB 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACCTGGGGCTCTCTGAACAGC 384

QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100

DB 385 ATGGACACAGCAGATTTCAGAACGGCTCTCTCGTCCACAGTCCCTATAACACAGACACAGCG 444

QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120

DB 445 CAGAACACGCTCAGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504

QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140

DB 505 TCTCCATCACCCGCTATCCCTCCACACCCGCTACCCAGCCGCGCCGACAGTTTCAGCGTG 564

QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160

DB 565 TCCTTCCAGCAGTTCGAGCACCGCCCAAGTCGGCCACCTGGACGCTATTCACACTGAAGTGAAG 624

QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180

DB 625 AAACCTCTACTGCCAAATTCGAAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 684

QY 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200

DB 685 CCTCAGGGAGCTGTTATTCGGCCGCTGCTGTACAAAAGCTGAGCACGTCACGGAG 744

QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220

DB 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACAGGAGGAGCAGATTGCC 804

QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240

DB 805 CCTCTAGTCATTTGATTTCAGTAGAGGGAACAGCCATGCCAGTATGTAGAAGATCCC 864

QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260

DB 865 ATCAGAGGAACAGAGTGTGTGTTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924

QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280

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Db 925 ACGACAGCTCTGTGTAACAATTCATGTGTAAACAGCAGCTGTGTGGAGGATGAACCGCGT 984
Qy 281 ProileuilelleValThrluThruThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAAATCAATGTTACTCTGGAACCAAGAGATGGCAAGTCTTGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerile 320
Db 1045 TTTGAGGCCGGATCTGTGCTTCCAGAGAGACAGAGAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrlLysAsnGlyAspGlyThrlLysArgPropheArg 340
Db 1105 AGAAGACAGCAAGTTTCGACAGTACAAAGAACGGTGATGTGACGAGCGCCGTTTCT 1164
Qy 341 GlnAsnThrlHisGlyIleGlnMetThrlSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrlTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATCTTACAGTGGAGGGCGGTGAGCTTATGAAATGCTGTTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrlleGluThrlTyrArgGlnGln 400
Db 1285 TCCCTGGAACCTCATGCAGTACCTCTCTCAGCACACAATTGAACGTCACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCACACAGCACTTACTTTCAGAAACATCTCTTTTCAGGCTGCTTCAGGAATGAG 1404
Qy 421 LeuValGluProArgArgGluThrlProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTGTGGAGCCCGGAGAGAACTCCAAACAACTGACGCTCTCTTTAGACATTCACAG 1464
Qy 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCACAAACCGATCAGTGTACCCA 1488

RESULT 5
; Sequence 333, Application US/09630940B
; Patent No. 6737514
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C10
; CURRENT APPLICATION NUMBER: US/09/630.940B
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 333
; LENGTH: 2816
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-630-940B-333

Alignment Scores:
Pred. No.: 1,13e-250 Length: 2816
Score: 2383.00 Matches: 448
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
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Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-670-568C-1 (1-448) x US-09-630-940B-333 (1-2816)
Qy 1 MetSerGlnSerThrlGlnThrlAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCAGAGCACACAGACAATGAATTCCTCAGTCAGAGGTTTCCAGCATATCTCG 204
Qy 21 AspPheLeuGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTCTGAACACGCTATATGTTCTAGTTTCCAGCCCATGACTTGAATCTTGTGGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrlAsnLysIleGlnLysSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAAGATGGTGGCACAACAAGATTGAGATTAGCATGGACTGTATCCGGATGCG 324
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrlAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCTCTGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrlSerProTyrAsnThrlAspHisIle 100
Db 385 ATGGACACAGCATTCAGAACGGCTCTCTGTCACACAGTCCCTATAACACAGACACCGCG 444
Qy 101 GlnAsnSerValThrlAlaProSerProTyrAlaGlnProSerSerThrlPheAspAlaLeu 120
Db 445 CAGAACAGCGTCACGGCGCTCTGCCCTACGACAGCCAGCTCCACTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrlAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCCTGAGTACCCCTCCACACACAGCTACCCAGCCCGCACAGTTTCGACGTG 564
Qy 141 SerPheGlnGlnSerSerThrlAlaLysSerAlaThrlTyrThrlTyrSerThrlGluLeuLys 160
Db 565 TCCTTCAGCAGTCGAGCAGCGCCCAAGTCGGCCACCTGGAGCGTATTCACCTGAACGTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrlCysProIleGlnIleLysValMetThrlProPro 180
Db 625 AAATCTACTGCCAATTTGCAAGACATGCCCATCCAGATCAAGGTGATGACCCCACT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrlGlu 200
Db 685 CCTCAGGGAGCTGTATTATCCGGCCATCGCTGTCTACAAAAAGCTGAGCAGCTCAGCGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCGCGTGAATTCACAGAGGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCCTAGTATTTGATTTCAGATGAGGGGAACAGCCATGCCCATGATGTAGAAAGATCCC 864
Qy 241 IleThrlGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrlGluPhe 260
Db 865 ATCAGAGGAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCCAAGTTGGCACTGAATTC 924
Qy 261 ThrThrlValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGCTCTGTACAAATTTTCATGTGTAAACAGCAGTTGTGTGGAGGGATGAACCGCGT 984
Qy 281 ProIleLeuIleValThrlLeuGluThrlArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAAATCAATGTTTACTCTGGAAACAGAGATGGCAAGTCTCTGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerile 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTCCAGAGAGAGACAGGAAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrlLysAsnGlyAspGlyThrlLysArgPropheArg 340
Db 1105 AGAAGACAGCAAGTTTCGAGCAGTACAAAGAACGGTGATGTGACGAGCGCCGTTTCTCGT 1164
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QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLeuArgSerProAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAAGAGATCCCCAGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLeuGlu 380
Db 1225 CTGTTATACCTTACCAGTGAGGGCCGTGAGACTTATGAATGCTGTGAAGATCAAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTGGAACTCATGCAATGACCTTCTCCAGCACACAATGAAACGATCAGGCAACAGAA 1344
QY 401 GlnGlnGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTTCAGCCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTGTGGAGCCCGGAGAGAACTCCAAACAACTCTGACGTCTTCTTAGACATTCGAAG 1464
QY 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGATCCCA 1488

RESULT 6
US-09-643-597-337
; Sequence 337, Application US/09643597
; Patent No 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 337
; LENGTH: 1551
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-337

Alignment Scores:
Pred. No.: 2,21e-229 Length: 1551
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 3 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-643-597-337 (1-1551)
QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyrp 20
Db 1 ATGTCCAGACACACAGACAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 60
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 61 GATTTCTGGAAACAGCCTATATGTTTCAGTTTCAGCCCATTTGAACTTGTGATGTA 120
QY 41 ProSerGluAspGlyValAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAAGAGATCCCCAGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLeuGlu 380
Db 1225 CTGTTATACCTTACCAGTGAGGGCCGTGAGACTTATGAATGCTGTGAAGATCAAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTGGAACTCATGCAATGACCTTCTCCAGCACACAATGAAACGATCAGGCAACAGAA 1344
QY 401 GlnGlnGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTTCAGCCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTGTGGAGCCCGGAGAGAACTCCAAACAACTCTGACGTCTTCTTAGACATTCGAAG 1464
QY 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGATCCCA 1488

US-09-643-597-337
; Sequence 337, Application US/09643597
; Patent No 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 337
; LENGTH: 1551
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-337

Alignment Scores:
Pred. No.: 2,21e-229 Length: 1551
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 3 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-643-597-337 (1-1551)
QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyrp 20
Db 1 ATGTCCAGACACACAGACAATGAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 60
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 61 GATTTCTGGAAACAGCCTATATGTTTCAGTTTCAGCCCATTTGAACTTGTGATGTA 120
QY 41 ProSerGluAspGlyValAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAAGAGATCCCCAGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLeuGlu 380
Db 1225 CTGTTATACCTTACCAGTGAGGGCCGTGAGACTTATGAATGCTGTGAAGATCAAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTGGAACTCATGCAATGACCTTCTCCAGCACACAATGAAACGATCAGGCAACAGAA 1344
QY 401 GlnGlnGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAACATCTCTTTCAGCCTGCTTCAGGAATGAG 1404
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1405 CTGTGGAGCCCGGAGAGAACTCCAAACAACTCTGACGTCTTCTTAGACATTCGAAG 1464
QY 441 ProProAsnArgSerValTyrPro 448
Db 1465 CCCCCAAACCGATCAGTGATCCCA 1488
```

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Db 121 CCATCAGAGAGTGGTGCAGCAAAACAAGATTAGATTAGACTGATCGCATGCAG 180
QY 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 181 GACTCGGACCTGAGTGACCCCATATGGCCACAGTACAGAACCTGGGGCTCTCGAACAGC 240
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 241 ATGGACACAGCAGATTCAAGACGGCTCTCGTCCACCACTGCCATATAACACACACACGCG 300
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 301 CAGAACACGCGTCAAGCGCCCTCGCCCTACGACACAGCCAGCTCCACCTTCGATGCTCTC 360
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 361 TCTCCATCACCAGCCCATCCCTTCCAAACACCGACTACCCAGGCCCGCACAGTTTCACGCTG 420
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 421 TCCTTCCAGCAGTGCAGCACCGCCCAAGTCGCCACCTGGACGTAATCCACTGAACCTGAAG 480
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 481 AAACCTCTACTGCCAAATTCGAAAGACATGCCCCATCCAGATCAAGGTGATGACCCACCT 540
QY 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 541 CCTCAGGGAGCTGTATCCGGGCCCATGCTCTCTACAAAAAAGCTGAGCACCTCAGCGAG 600
QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 601 GTGGTGAAGCGGTGCCCAACCATGAGTGCAGCGCTGAATCAACAGGAGGACAGATTGCC 660
QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 661 CCTCCTAGTCAATTTGATTTCGAGTAGAGGGGAACGCCATGCCAGTAATGTAGAAGATCC 720
QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 721 ATCAGGAAGACAGAGAGTGTCTGTACTTATGAGCCACCCAGGTTGGCACTGAATTC 780
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 781 ACGACAGCTTGTGTACAATTTTCATGTGTAAACAGCAGTGTGTGTGGAGGATGAACCGCGT 840
QY 281 ProIleLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 841 CCAATTTTAAATCATTTGTTACTCTGAAACCCAGAGATGGGCAAGTCTCTGGGCGCAGCTGC 900
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 901 TTTGAGGCCCGGATCTGTGCTTGGCCAGAGACAGACAGAGGCGGATCAAGATAGCATC 960
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 961 AGAAAGCAGCAAGTTTCGACAGATACAAAGAACGGTGATGGTACGAGCGCCGCTTCTGT 1020
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1021 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAAGATCCCATGATGAA 1080
QY 361 LeuLeuTyrLeuProValArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1081 CTGTTATACCTTACCAGTGAGGGCCGTGAGACTTATGAATGCTCTTGAAGATCAAAGAG 1140
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1141 TCCCTGGAACTCATGCAATGACCTCTCCTCAGCACACAATTAAGAACCTAGAGCAACAGCAA 1200
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1201 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAA----- 1230
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Qy 421 LeuValGluProArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1231 -----CAGACCTCAATACAGTCTCCATCTTATATGGTAAAGCTCC 1272
Qy 441 ProPro 442
Db 1273 CCACCT 1278

RESULT 7

US-09-542-615A-337
; Sequence 337, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542.615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 337
; LENGTH: 1551
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-337

Alignment Scores:

Pred. No.: 2,21e-229 Length: 1551
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

US-09-670-568c-1 (1-448) x US-09-542-615A-337 (1-1551)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db 1 ATGTCCAGGACACACAGCAAAATGATTCCTAGTCCAGAGGTTTCCAGCATATCTGG 60
Qy 21 AspPheLeuGluGlnProileCysSerValGlnProileAspLeuAsnPhValAspGlu 40
Db 61 GATTTCTGGAAACAGCCTATATGTTAGTTCAGGCCCATTTGACTTGAACCTTGTGGATGAA 120
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 121 CCATCAGAAGATGTGGCACAACAAAGATTGAGATTAGCATGGAGCTGTATCCCGATCAG 180
Qy 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 181 GACTTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACCTTGGGGCTCTCTGAACAGC 240
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 241 ATGGACACGACGATTACAGACGGCTCTCTGTCACACAGTCCCTATACACAGACACGCG 300
Qy 101 GlnAsnSerValThrAlaProSerProTyrzlaGlnProSerSerThrPheAspAlaLeu 120
Db 301 CAGAAACGCGTCACGGGGCCCTCGCCCTACGACAGGCCAGCTCCACCTTCGATGCTCTC 360
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 361 TCTCCATCACCCTCCCTCCCTCCACACCCAGCTACCCAGGCCCGCAGAGTTTCGACGTG 420
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160

Db 421 TCCTTCCAGCAGTCGAGCACCGCCAGTCGCGCACCTGGAGCTATTCCTCACTGAACCTGAG 480
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 481 AAATCTTACTGCGCAAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCCACT 540
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 541 CCTCAGGGAGCTGTATTCGCGGCATGCTCTACAAAAAGCTGAGCAGCTCACGCG 600
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 601 GTGGTGAAGCGGTGCCCAACATGAGCTGAGCGCTGAATTCACAGAGGGACAGATTGCC 660
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 661 CCTCCTAGTTCATTTGATTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 720
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 721 ATCAGAGGAAGACAGAGTGTGCTGTACCTTATGAGCCACCCCAAGTTGGCACTGAATTC 780
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 781 ACGACAGCTCTGTACAAATTTTCATGTGTAAACAGCAGTTGTGTGGAGGGATGAACCGCGT 840
Qy 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 841 CCAATTTTAATCATTTGTTACTCTGGAAACAGAGATGGCAAGTCTCTGGCGCGAGCTGC 900
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 901 TTTGAGGCCCGGATCTGTGCTTCCCGAGGAAGACAGAGAGGCGGATGAAGATAGCATC 960
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgPropheArg 340
Db 961 AGAAAGCAGCAAGTTTCGGAACAGTACAAAGAACGGTGTATGTAATGCTGTTGAAGATCAAAGAG 1020
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1021 CAGAACACATCGTATCCAGATGACATCCATCAAGAAACGAGATCCCCAGATGATGAA 1080
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1081 CTGTATATTTACAGTGAGGCGCGTGAGACTTATGAAATGCTGTTGAAGATCAAAGAG 1140
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1141 TCCCTGGAACTCATGAGTACCTTCTCAGCACACAAATTGAAACGTTACAGGCAACAGCAA 1200
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1201 CAGCAGCAGCAGCAGCAGCTTACTTTCAGAAA----- 1230
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1231 -----CAGACCTCAATACAGTCTCCATCTTTCATATGGTAAACAGCTCC 1272
Qy 441 ProPro 442
Db 1273 CCACCT 1278

RESULT 8

US-09-606-421B-337
; Sequence 337, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.

APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.455C9
CURRENT APPLICATION NUMBER: US/09/606,421B
CURRENT FILING DATE: 2000-06-28
NUMBER OF SEQ ID NOS: 358
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 337
LENGTH: 1551
TYPE: DNA
ORGANISM: Homo sapiens
US-09-606-421B-337

Alignment Scores:
Pred. No.: 2,21e-229 Length: 1551
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-606-421B-337 (1-1551)

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Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 1 ATGTCCAGAGACACACAGCAAAATGAAATTCCTCAGTCAGAGGTTTTCACGACATATCTGG 60
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 61 GATTTCTGGAAACAGCCTATATGTTAGTTCAGGCCCATGACTTGAACCTTTGCGATGAA 120
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluLeuSerMetAspCysIleArgMetGln 60
Db 121 CCATCAGAAGATGTGGCACAACAAGATTGAGATTAGCATGAGTGTATCCCGCATCGAG 180
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnThrThrAsnLeuGlyLeuLeuAsnSer 80
Db 181 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGCAACCTGGGGCTCCTGAACAGC 240
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 241 ATGACACAGCAGATTGACAGCGCTCTCTGTCACACAGCTCCCTATACACAGACACCGCG 300
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 301 CAGAACAGCGTCAGGGGCCCTCGCCCTACGCACAGCCAGCCAGCTCCACCTTCGATGCTC 360
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 361 TCTCCATCACCCGGCATCCCTCTCAACACCCAGTACCCAGCCCGCCGACAGTTTCGACGTG 420
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrThrSerThrGluLeuLys 160
Db 421 TCCTTCACAGAGTCGAGCAGCCGCACAGTCCGCCACCTGGAGCTATTCACCTGAACCTGAG 480
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 481 AAACCTTACTGCCAAATTTGCAAGACATGCCCATCCAGATCAAGGTCATGACCCCACT 540
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 541 CCTCAGGGAGCTGTATTCGGGCCCATGCTCTCTACAAAAAGCTGAGCAGCTCAGCGAG 600
Qy 201 ValValLysArgCysProAsnHisGlnLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 601 GTGGTGAAGCCGTCGCCCAACCATGAGCTGAGCCCTGAAATTCACAGGAGGACAGATTGCC 660
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 661 CCTCCTAGTCATTTGATTGAGTAGAGGGGAACAGCCATGCCCATGCTGATGTTAGTAAGATCCC 720
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Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
Db 721 ATCAGAGAAAGACAGAGTGTGCTGGTACCTTATGAGCCACCCAGGTTGGCAGCTAATTC 780
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 781 ACGACAGCTCTGTGTACAAATTTTCATGTGTAAACAGCAGTGTGTGTGGAGGATGAACCGCGT 840
Qy 281 ProIleLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 841 CCAATTTTAAATCATTTGTTACTCTGGAAACACAGAGATGGGCAAGTCTCTGGGCCGACGCTGC 900
Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 901 TTTGAGGCCCGGATCTGTCTGCCAGGAAGACAGACAGGAGCGGATGAAGATAGCATC 960
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 961 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGTGTGATGCTGAGAAAGCGCCCTTTTCGT 1020
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1021 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAAGATCCCCAGATGATGAA 1080
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1081 CTGTTATATTACAGTACAGTGGGCGCTGAGACTTATGAATGCTGTTGAAGATCAAGAG 1140
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1141 TCCTCGAAGCTCATGAGTACCTTCCTCAGCACACAAATTTGAAACGTACAGGCAACAGCAA 1200
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1201 CAGCAGCAGCAGCAGCAGCTTACTTACAGAA-----CAGACCTCAATACAGTCTCCATCTTCAATATGTTAACAGCTCC 1272
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1231 -----CAGACCTCAATACAGTCTCCATCTTCAATATGTTAACAGCTCC 1272
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RESULT 9

US-09-630-940B-337
Sequence 337, Application US/09630940B
Patent No. 6737514
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.455C10
CURRENT APPLICATION NUMBER: US/09/630,940B
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 367
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 337
LENGTH: 1551
TYPE: DNA
ORGANISM: Homo sapiens
US-09-630-940B-337

Alignment Scores:
Pred. No.: 2,21e-229 Length: 1551
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-630-940B-337 (1-1551)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 1 ATGTCCCAAGACACACAGACAAATGATTCCTCAGTCAGAGAGTTTCCAGCATATCTGG 60

Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 61 GATTTTCTGGAAACACGCTATATGTTTCAGTTGAGCCCATGACTTGAATTTGTGGATGAA 120

Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 121 CCATCAGAAGATGTTGCGACAAACAGATTGAGATTAGCATGGACTGTATCCGATGCG 180

Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 181 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGCAACCTGGGGCTCTCTGAACAGC 240

Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 241 ATGACACAGCAGATTTCAGAACGGCTCTCGTCCACAGTCCCTATTAACACAGACACGCG 300

Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 301 CAGAACAGCGTCACGGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 360

Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 361 TCTCCATCACCCGCGCATCCCTCCAAACACCGACTACCCAGCGCCGCGACAGTTTCGACGTG 420

Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
Db 421 TCCCTTCCAGCAGTGCAGACCCGCAAGTCGGCCACCTGGAGGTATTCACCTGAACCTGAAG 480

Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 481 AAATCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGTGATGATCACCCCACT 540

Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 541 CCTCAGGAGGTGTATCCGCGCCATGCCTGTCTACAAAAAAGCTGAGCACGTCAACGAG 600

Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 601 GTGTGAAGCGGTGCCCAACCATGAGCTGAGCGGTGAATTCACAGGGGACAGATTGCC 660

Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 661 CCTCTAGTCATTTGATTCGATGAGGGGACAGCCCATGCCAGTATGTAGAGATCCC 720

Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 721 ATCACAGGAACACAGAGTGTCTGTGTACCTTATGAGCCACCCAGGTGGCACTGAATTC 780

Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 781 ACGACAGCTTTGTACAAATTTTCATGTGTAAACAGCAGTTGTGTGTGGGGATGAACCGCGT 840

Qy 281 ProfileLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 841 CCAATTTTAATCATTTGTTTACTTCTGAAACACAGAGATGGCGAAGTCTTGGGCGGACGTGC 900

Qy 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 145 ATGTCCAGAGACACACAGCAAAATGAATCTCTAGTCCAGGAGTTTCCAGCATATCTGG 204

Db 901 TTTCAGGCGCGGATCTGTGCTTGCCAGGAAGACAGAGGCGGATCAAGATAGCATC 960

Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 961 AGAAAGCAGCAAGTTTCGACAGGTACAAAGAACCGGTGATGTAGCAAGCGCCGTTTCGT 1020

Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1021 CAGAACACACATGTTATCCAGATGACATCCATCAAGAAACCAAGATCCCAGATGATGAA 1080

Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLysLysIleLysGlu 380
Db 1081 CTGTTATATCTTACCAGTGAGGGCGCTGAGACTTATGAAATGCTGTTGAAGATCAAAGAG 1140

Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1141 TCCCTGGAACCTCATGCACTACCTTCTCCAGCACAAATTTGAACGTACAGGCAACAGCAA 1200

Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1201 CAGCAGCAGCACCCAGCAGCTTACTTCAGAA----- 1230

Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1231 -----CAGACCTCAATACAGTCTCCATCTTCATATGTTGAACAGCTCC 1272

Qy 441 ProPro 442
Db 1273 CCACCT 1278

RESULT 10
US-09-643-597-332
; Sequence 332, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 332
; LENGTH: 2270
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-332

Alignment Scores:
Pred. No.: 4,16e-229 Length: 2270
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 3 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-643-597-332 (1-2270)

Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCAGAGACACACAGCAAAATGAATCTCTAGTCCAGGAGTTTCCAGCATATCTGG 204


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QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
DB 205 GATTTTCTGGACAGCTATATGTTTCAGTTACGCCATTGACTTGAATTTGTGGATGAA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
DB 265 CCATCAGAAAGATGGTTCGCAAAACAAGATGATGAGATTAGCATGACTGTATCCGCATCGAG 324
QY 61 AspSerAspLeuSerAspProMetTTPProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
DB 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACTGGGGCTCTCGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
DB 385 ATGGACACAGATTGAGAAACGGCTCTCGTCCACCACTCCCTATATAACACAGACACGGC 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
DB 445 CAGAACAGCGTTCAGCGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
DB 505 TCTCCATACCCCGCATCCCTCCAAACCCGACTACCCAGGCCCGCACAGTTTCAGCGTG 564
QY 141 SerPheGlnGlnSerThrAlaLysSerAlaThrTrpThrTyrSerThrGluLeuLys 160
DB 565 TCTTCCAGCAGTCGAGCAGCCCAAGTCGGCCACCTGGACGTAATTCACCTGAACCTGAAG 624
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
DB 625 AAACCTCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGACCCCACT 684
QY 181 ProGlnGlnValAlaIleAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
DB 685 CCTCAGGAGCTGTTATCCCGCCATGCTGCTCTACAAAAGAGCTGAGCACGTCACGGAG 744
QY 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
DB 745 GTGGTGAACGGTGGCCCAACCATGAGCTGAGCCGTGAATTCAGAGGGACAGATTGCC 804
QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
DB 805 CCTCTAGTCAATTTGATTCAGTAGAGGGGAACAGCCATGCCAGTATGTAAGATATCC 864
QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProGlnValGlyThrGluPhe 260
DB 865 ATCAGGGAAGACAGATGTGTGTGTGTTATGACCCACCCAGGTTGGCACTGAAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
DB 925 ACGACAGTCTTGTAACAATTCATGTGTAACAGCAGTTGTGTGGAGGGATGAACCGCGT 984
QY 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
DB 985 CCAATTTTAAATCATTTCTCTCGAAACACAGAGATGGCAAGTCTCTGGCCGACGCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
DB 1045 TTGAGGCCCGGATCTGTGCTTGGCCCAAGGAAGACAGGAAGCGGATGAAGATGACATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
DB 1105 AGAAGACAGCAAGTTTCGACAGTACAAAGACGGTGATGGTACGAAGCGCCGTTTCTGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
DB 1165 CAGAACACACATGTTATCCAGATGATCATCCATCAGAAACGAAGATCCCCAGATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
DB 1225 CTGTTATACTTACCAGTAGGGGCCGTGAGACTTATGAATGCTGTGTAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
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DB 1285 TCCCTGGAACTCATGCAGTACTTCTCCTCAGCACAAATTGAACCGTACAGGCAACAGCAA 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
DB 1345 CAGCAGCAGCAGCAGCAGCAGCTTACTTCAGAAA----- 1374
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
DB 1375 -----CAGACCTCAATACAGTCTCCATCTTCATATGTTGAACAGCTCC 1416
QY 441 ProPro 442
DB 1417 CCACCT 1422

RESULT 11
US-09-542-615A-332
; Sequence 332, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542.615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 332
; LENGTH: 2270
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-332

Alignment Scores:
Pred. No.: 4,16e-229 Length: 2270
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-542-615A-332 (1-2270)
QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
DB 145 ATGTCCCAAGACACACACAGCAAAATGAAATTCCTCAGTCCAGAGGTTTCCAGCATATCTGG 204
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
DB 205 GATTTTCTGGAAACAGCTTATATGTTTCAGTTCAGCCCATTTGAACTTTCGATGAA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
DB 265 CCATCAGAAAGATGGTTCGACAAACAGATTGAGATTAGCATGGACTGTATCCGCATGCA 324
QY 61 AspSerAspLeuSerAspProMetTTPProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
DB 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACTGGGGCTCTCGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
DB 385 ATGGACACAGATTGAGAAACGGCTCTCGTCCACCACTCCCTATATAACACAGACACGGC 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
DB 445 CAGAACAGCGTTCAGCGCGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504
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Db 745 GTGGTGAAGCGGTGCCCCAACCATGAGCTGAGCGGTGAATTCACAGGAGCAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCTAGTCAATTGATTCAGTAGAGGGAACAGCCATGCCAGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCACAGGAGACAGAGTGTGTGCTTACCTTATGAGCCACCCAGGTTGGCTGNAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACCACAGTCTGTACAAATTCATGTAAACAGCAGTGTGTGGAGGGATGAACCGCGCT 984
Qy 281 ProIleLeuIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgCys 300
Db 985 CCAATTTTAAATCATTTACTCTGGAACACAGAGATGGCAAGTCTGTGGCCGACGCTGC 1044
Qy 301 PheGluAlaArgIleCysAlaCysProGlyValArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTCTTCCCGAGGAGACAGAGCGGATGAAGATAGCATC 1104
Qy 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAAGCAGCAAGTTTCGGACAGTACAAAGAACGGGTGATGGTACGAAGCGCCGTTCTGT 1164
Qy 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGATCATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
Qy 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATATCTACAGTGAAGGCGGTGAGACTTATGAATGCTGTGAAGATCAAGAG 1284
Qy 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCCTGGAACATCATGCAGTACCTTCTCAGCACACAATTTGAAACGTACAGGCAACAGCAA 1344
Qy 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTACTTTCAGAAA----- 1374
Qy 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPheArgHisSerLys 440
Db 1375 -----CAGACCTCAATACAGTCTCCATCTTCATATGTTAAGCAGCTCC 1416
Qy 441 ProPro 442
Db 1417 CCACCT 1422

RESULT 13
US-09-630-940B-332
; Sequence 332, Application US/09630940B
; Patent No. 6737514
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C10
; CURRENT APPLICATION NUMBER: US/09/630,940B
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 367
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 332
; LENGTH: 2270
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-630-940B-332

Alignment Scores:
Pred. No.: 4,16e-229 Length: 2270
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

US-09-670-568C-1 (1-448) x US-09-630-940B-332 (1-2270)
Qy 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTrp 20
Db 145 ATGTCCCAAGACACACAGACAAATGAATTCCTCAGTCCAGAGGTTTTCAGCATATCTGG 204
Qy 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACACGCTTATATGTTCACTCAGCCCATTTGACTTGAACCTTTGTGATGAA 264
Qy 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAGATGTTGCGACAAACAAGATTGAGATTAGCATGGAGCTGTATCCGCATGCAG 324
Qy 61 AspSerAspLeuSerAspProMetTrpProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACACGAACCTGGGGCTCTCTGAACAGC 384
Qy 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGACACAGCAGATTCAGAGGGCTCTCTGTCACCACTGCTCTATAACACAGACCACCGG 444
Qy 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAACAGCGTTCAGCGGCCCTCGCCCTACGCACAGCCAGCTCCACCTTCGATGCTCTC 504
Qy 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCAGCGCATCCCTCCAAACACAGCACTACCCAGCCCGCCAGCATGTTCCACG 564
Qy 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGTCGAGCAGCCCAAGTCGGCCACCTGGACGCTATTCCACTGAACCTGAAG 624
Qy 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AACTCTACTGCCAATTTGCAAGACATGCCCATCCAGATCAAGTGTATGACCCCACT 684
Qy 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGGAGCTGTATTCGGGGCCATGCTCTACAAAAAAGCTGAGCAGCTCAGGAG 744
Qy 201 ValValLysArgCysProAsnHisGluLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCCAAGCATGAGCTGAGCGGTGAATTCACAGGAGGACAGATTGCC 804
Qy 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCTAGTCAATTGATTCAGTAGAGGGAACAGCCATGCCAGTATGTAGAAGATCCC 864
Qy 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAGACAGAGTGTGTGTTACCTTTATGAGCCACCCAGGTTGGCACTGAATTC 924
Qy 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyGlyMetAsnArgArg 280
Db 925 ACGACAGTCTTGTACAAATTCATGTGTAAACAGCAGTGTGTGTGGAGGGATGAACCGCGCT 984
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QY 281 ProileuileleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAATCATGTTACTCTGGAAACCAGAGATGGGCAAGTCTCTGGGCCGACGCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTCCCGAGGAAGACAGAGGAGCGGATGAAGATAGCATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCAGCAAGTTTCGGACATGACAAAGAACGGTGATGGTACGAGCGCCGTTTCGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysLysGlu 380
Db 1225 CTGTTATACTTACCAGTGAGGGCCGCGAGACTTATGAAATGCTGTGAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCTCGAATCATGACGATACCTTCTCAGCACACAAATGAAACGTACAGGCAACAGCAA 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAA----- 1374
QY 421 LeuValGluProArgArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
Db 1375 -----CAGACCTCAATACAGTCTCCATCTTCATATGTTAAGTAAACAGCTCC 1416
QY 441 ProPro 442
Db 1417 CCACCT 1422

RESULT 14
US-09-643-597-335
; Sequence 335, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 335
; LENGTH: 4849
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-335
```

```
Alignment Scores:
Pred. No.: 1,46e-228 Length: 4849
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 3 Gaps: 1
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US-09-670-568c-1 (1-448) x US-09-643-597-335 (1-4849)
QY 1 MetSerGlnSerThrGlnThrAsnGluPheLeuSerProGluValPheGlnHisIleTyr 20
Db 145 ATGTCTCCAGAGCACAGACAATGAATTCCTCAGTCCAGAGGTTTTCAGACATATCTGG 204
QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCTGGAACAGCCATATGTTTCAGTTCAGCCCATTTGACTTGAACATTTGTGGATGA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysLysGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGGTGGCGCAAAACAAGATTGAGATTAGCATGCTGTATCCGATGCGAG 324
QY 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTGACCCCATGTGGCCACAGTACAGAACCTGGGGCTCTGTGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerSerThrSerProTyrAsnThrAspHisAla 100
Db 385 ATGGACCAGCAGATTTCAGAACGGCTCTCGTCCACCAGTCCCTATAAACACAGACACGCG 444
QY 101 GlnAsnSerValThrAlaProSerProTyrAlaGlnProSerSerThrPheAspAlaLeu 120
Db 445 CAGAAACAGCGTCACGGCGCCCTCGCCCTACGCACACAGCCAGCTCCACCTTCGATGCTCTC 504
QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATCACCAGCGCATCCCTTCCAACACCGACTACCCAGGCCCGCACAGTTTCGACGTC 564
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCTTCCAGCAGCTCGAGCACCGCCCAAGTCGGCCACTCGACCTATTCACCTGAACCTGAAG 624
QY 161 LysLeuTyrCysGlnIleAlaLysThrCysProIleGlnIleLysValMetThrProPro 180
Db 625 AAACCTCTACTGCCAAATTCGAAAGACATGCCCATCCAGATCAAGGTGATGATGCCACCT 684
QY 181 ProGlnGlyAlaValIleArgAlaMetProValTyrLysLysAlaGluHisValThrGlu 200
Db 685 CCTCAGGAGCTGTATTCCGGCCCATGCTGTCTACAAAAAGCTGAGCACCTGTCAGGAG 744
QY 201 ValValLysArgCysProAsnHisGlnLeuSerArgGluPheAsnGluGlyGlnIleAla 220
Db 745 GTGGTGAAGCGGTGCCCAACCATGAGCTGAGCCGTGAATTCACAGGAGGACAGATTGCC 804
QY 221 ProProSerHisLeuIleArgValGluGlyAsnSerHisAlaGlnTyrValGluAspPro 240
Db 805 CCTCTAGTCTATTTGATTTCGAGTAGAGGGGAACAGCCATGCCCATGTATGTAGAAGATCCC 864
QY 241 IleThrGlyArgGlnSerValIleuValProTyrGluProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAACAGAGTGTGCTGTGTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyMetAsnArgArg 280
Db 925 ACGACAGCTCTGTACAAATTCATGTGTAAACAGCAGTGTGTGGAGGGATGAACCCCGT 984
QY 281 ProIleLeuIleIleValThrLeuGluThrArgAspGlyGlnValLeuGlyArgArgCys 300
Db 985 CCAATTTTAATCATTTGTTACTCTCGAAACACAGATGGGCAAGTCTCTGGGCCGACGCTGC 1044
QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
Db 1045 TTTGAGGCCCGGATCTGTGCTTCCCGAGGAAGACAGAGGAGCGGATGAAGATAGCATC 1104
QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
Db 1105 AGAAGCAGCAAGTTTCGGACATGACAAAGAACGGTGATGGTACGAGCGCCGTTTCGT 1164
QY 341 GlnAsnThrHisGlyIleGlnMetThrSerIleLysLysArgArgSerProAspAspGlu 360
Db 1165 CAGAACACACATGGTATCCAGATGACATCCATCAAGAAACGAAGATCCCCAGATGATGAA 1224
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Db 1225 CTGTTATCTACAGTGAGGGCCGAGACTTATGAATGCTTTGAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGln 400
Db 1285 TCCCTGGAACATCATGAGTACCTTCCTCAGCACACAAATTGAAACGTACAGGCAACAGCAA 1344
QY 401 GlnGlnGlnHisLeuLeuGlnLysLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
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QY 421 LeuValGluProArgGluThrProLysGlnSerAspValPhePheArgHisSerLys 440
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QY 441 ProPro 442
Db 1417 CCACCT 1422

RESULT 15
US-09-542-615A-335
; Sequence 335, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangor, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542, 615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 335
; LENGTH: 4849
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-335

Alignment Scores:
Pred. No.: 1,46e-228 Length: 4849
Score: 2185.00 Matches: 416
Percent Similarity: 94.80% Conservative: 3
Best Local Similarity: 94.12% Mismatches: 7
Query Match: 91.69% Indels: 16
DB: 4 Gaps: 1

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QY 21 AspPheLeuGluGlnProIleCysSerValGlnProIleAspLeuAsnPheValAspGlu 40
Db 205 GATTTTCGAAACAGCCTATATGTTTCAGTTCAGCCCATTTGACCTTTGTTGGATGAA 264
QY 41 ProSerGluAspGlyAlaThrAsnLysIleGluIleSerMetAspCysIleArgMetGln 60
Db 265 CCATCAGAAGATGGTCGACAAACAAAGATTGAGATTAGACGTGTATCCGCGATGCGAG 324
QY 61 AspSerAspLeuSerAspProMetTyrProGlnTyrThrAsnLeuGlyLeuLeuAsnSer 80
Db 325 GACTCGGACCTGAGTACCCCATGTCGACAGTACACCAACCTGGGGCTCTTGAACAGC 384
QY 81 MetAspGlnGlnIleGlnAsnGlySerSerThrSerProTyrAsnThrAspHisAla 100
Db 1417 CCACCT 1422
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QY 121 SerProSerProAlaIleProSerAsnThrAspTyrProGlyProHisSerPheAspVal 140
Db 505 TCTCCATACCCCGCATCCCTCCAAACCCGACTACCCAGGCCGCCGACAGTTTCGACGTCG 564
QY 141 SerPheGlnGlnSerSerThrAlaLysSerAlaThrTyrThrTyrSerThrGluLeuLys 160
Db 565 TCCCTTCAGCAGCTCAGCAGCAGCCCAAGTCGCGCACCTGACGCTATTTCCACTGAACCTGAAG 624
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Db 685 CCTCAGGGAGCTGTTATCCGCGCCCATGCTGTCTACAAAAAAGCTGAGCACGTCACGGAG 744
QY 201 ValValLysArgCysProAsnHisGlnLeuSerArgGluPheAsnGlnGlyGlnIleAla 220
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QY 241 IleThrGlyArgGlnSerValLeuValProTyrGluProProGlnValGlyThrGluPhe 260
Db 865 ATCAGAGGAAGACAGAGTGTGCTGTACCTTATGAGCCACCCAGGTTGGCACTGAATTC 924
QY 261 ThrThrValLeuTyrAsnPheMetCysAsnSerSerCysValGlyClyMetAsnArgArg 280
Db 925 ACGACAGCTCTTGTAACATTTTCAATGTGTAAACACAGTGTGTGGAGGGATGAACCCCGT 984
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QY 301 PheGluAlaArgIleCysAlaCysProGlyArgAspArgLysAlaAspGluAspSerIle 320
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QY 321 ArgLysGlnGlnValSerAspSerThrLysAsnGlyAspGlyThrLysArgProPheArg 340
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Db 1165 CAGAACACACATGGTATCCAGATGATCCATCAGAAACGAAGATCCCCAGATGATGAA 1224
QY 361 LeuLeuTyrLeuProValArgGlyArgGluThrTyrGluMetLeuLeuLysIleLysGlu 380
Db 1225 CTGTTATCTTACCAGTGAGGGCGCGTGAGACTTATGAAATCGTGTGAAGATCAAGAG 1284
QY 381 SerLeuGluLeuMetGlnTyrLeuProGlnHisThrIleGluThrTyrArgGlnGlnGln 400
Db 1285 TCCCTGGAACTCATCGAGTAQCTTCCTCAGCACACAAATTTGAAACGTACAGGCAACAGCAA 1344
QY 401 GlnGlnGlnHisGlnHisLeuLeuGlnLysHisLeuLeuSerAlaCysPheArgAsnGlu 420
Db 1345 CAGCAGCAGCAGCAGCAGCTTACTTCAGAAA----- 1374
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Db 1375 -----CAGACCTCAATACAGTCTCCATCTTCATATGGTAACAGCTCC 1416
QY 441 ProPro 442
Db 1417 CCACCT 1422
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Job time : 283 secs